

APPENDIX D

Hazardous Materials Documentation

ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT
GARDENA VALLEY 1 & 2 LANDFILL
CARSON, CALIFORNIA

by
Haley & Aldrich, Inc.
San Diego, California

for
WPT Industrial, LP
Minneapolis, Minnesota

File No. 200757
February 2021





HALEY & ALDRICH, INC.
5333 Mission Center Road
Suite 300
San Diego, CA 92108
619.280.9210

18 February 2021
File No. 200757

WPT Industrial, LP
150 S. 5th Street, Suite 2675
Minneapolis, Minnesota 55402

Attention: Jonah Chodosh

Subject: ASTM Phase I Environmental Site Assessment
Gardena Valley 1 & 2 Landfill
Carson, California

Ladies and Gentlemen:

The enclosed report presents the results of a Phase I Environmental Site Assessment (Phase I) conducted at the above-referenced property, located at Assessor's Parcel Number 7336-003-043 between Main Street, Torrance Boulevard, Figueroa Street, and Del Amo Boulevard, in Carson, California (herein referred to as the "subject site"). This work was performed by Haley & Aldrich, Inc. (Haley & Aldrich), in accordance with our proposal to WPT Industrial, LP dated 14 January 2021 ("Agreement") as authorized on 15 January 2021. This Phase I was conducted in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as referenced in 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule).

The objective of a Phase I is to assess whether known and suspect "recognized environmental conditions" (REC), historical RECs (HREC), or controlled RECs (CREC) are associated with the subject site, as defined in the ASTM E 1527-13 Standard.

Thank you for the opportunity to perform these services for you. Please do not hesitate to contact us if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.


Keith A. Foster
Senior Technical Specialist


Mathew T. Raithel
Senior Technical Specialist

Enclosures

Executive Summary

Haley & Aldrich, Inc. (Haley & Aldrich) has performed a Phase I Environmental Site Assessment (Phase I) of the Gardena Valley 1 & 2 Landfill property in Carson, California (herein referred to as the “subject site”). The scope of work is described and conditioned by our proposal dated 14 January 2021. This Phase I was performed for WPT Industrial, LP who seeks to purchase and redevelop the subject site with the construction of three buildings. This Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-13 Standard and [All Appropriate Inquiries \(AAI\) Rule](#)¹.

SUBJECT SITE DESCRIPTION

The subject site is located between Main Street, Torrance Boulevard, Figueroa Street, and Del Amo Boulevard in the City of Carson, California (Figure 1). Figueroa Street and Main Street form the west and east boundaries of the subject site, respectively. A concrete lined storm drain channel leading to the Dominguez Channel forms the northern border of the subject site, and the El Camino Plaza (consisting of commercial/retail buildings, the Mission Ebenezer Church, and a parking lot) forms the southern border of the subject site. The subject site, which is approximately 14 acres, is currently owned by KL Fenix Corporation and is currently vacant, undeveloped, and unoccupied land. The subject site was formerly used as a Class II municipal landfill between 1956 and 1959.

OBJECTIVE

The objective of a Phase I is to assess whether “[recognized environmental conditions](#)” (REC), [historical RECs](#) (HREC), and controlled RECs (CREC) are associated with the subject site. Our conclusions are intended to help the user evaluate the “[business environmental risk](#)” associated with the subject site. Our opinion regarding a REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, our experience evaluating similar sites, and on our understanding of the client's intention to construct three commercial buildings on the subject site.

RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines an REC in part as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a [material threat](#) of a future release to the environment.”

¹ American Society for Testing and Materials (ASTM) E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as referenced in 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule) (“ASTM E 1527-13 Standard”). Specified terms as are used in ASTM E 1527-13 are highlighted in blue in this report and defined in the Glossary at the end of the report text.

The following RECs listed below were identified in connection with the subject site.

REC #1: Former Operation of the Gardena Valley 1 & 2 Landfill

The subject site was operated as the Gardena Valley 1 & 2 Landfill between November 1956 and October 1959, which accepted Class II waste including municipal waste and potentially industrial waste. Soil at the subject site was reportedly originally excavated as a borrow site for the construction of the Interstate-110 freeway located to the west, and the resultant on-site excavation was subsequently utilized as a municipal landfill. The excavation was used as a landfill without placement of an engineered liner and without current-day practices which employ landfill gas extraction / monitoring and leachate collection systems. The landfill was subsequently covered with soil from an undocumented source. Analysis of this cover soil during previous site investigations indicated the presence of concentrations of metals, pesticides, and organics, including arsenic, DDT, polychlorinated biphenyls (PCBs), diethylphthalate, and di-n-butylphthalate. Organic chemicals and methane have been detected in landfill gas. Groundwater in the vicinity of the subject site has been impacted with volatile organic compounds.

REC #2: Former Onsite Operations Associated with the Golden Eagle Refinery

According to aerial photographs and documentation in reports reviewed for this Phase I, the subject site was first developed in the 1940s with buildings, storage yards, and possible aboveground storage tanks (containing unknown materials) and wastewater ponds associated with the Golden Eagle Refinery which was located to the south of Torrance Boulevard. These structures were decommissioned by 1956. These operations may have had the potential to have impacted subsurface soil and groundwater beneath the subject site. However, soil was excavated to a maximum depth of approximately 37 feet below ground surface during construction of the landfill, and therefore any impacted soil which may have existed from these former operations may have been excavated. Furthermore, previous sampling in the area did not identify petroleum hydrocarbon impacted soil and groundwater. Groundwater beneath the subject site has been impacted from a variety of sources in the vicinity of the subject site.

REC #3: Potential Impacts from Offsite Sources due to Former Landfills Operated in the Vicinity

The following landfills were formerly operated in the vicinity of the subject site: Gardena Valley 4 Landfill (located west-southwest and crossgradient), Gardena Valley 5 Landfill (located south and downgradient), Cal Compact Landfill (located north-northeast and crossgradient), Werdin Dump (located northeast and crossgradient), and the Southwest Conservation Landfill 4 (located north and upgradient). These landfills have reportedly collectively impacted regional groundwater quality in the vicinity of the subject site.

REC #4: Montrose and Del Amo Superfund Sites

The subject site is located within ½-mile south (and hydrogeologically downgradient) of a National Priority List (NPL) site that actually consists of two adjacent properties: Montrose Chemical and Del Amo Synthetic Rubber Plants. Although the United States Environmental Protection Agency's 1999 Record of Decision (ROD) does not indicate that a contamination plume has extended to beneath the subject site, due to the proximity of the upgradient NPL sites to the subject site, there is the potential that groundwater beneath the subject site may have been or might be impacted in the future by the past releases from these NPL sites.

CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines a CREC as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

CRECs were not identified in connection with the subject site.

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines an HREC as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

HRECs were not identified in connection with the subject site.

SUMMARY

In summary, we identified four RECs during this Phase I.

The remainder of this report contains additional information regarding the Phase I, the resulting findings summarized above, and limitations affecting this report.

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Haley & Aldrich Proposal Dated 14 January 2021

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1. Introduction

This report presents the results of an ASTM Phase I (Phase I) conducted at Gardena Valley 1 & 2 Landfill in Carson, California (herein referred to as the “subject site”). The approximately 14-acre subject site is currently vacant, undeveloped, and unoccupied land property that is located between Main Street, Torrance Boulevard, Figueroa Street, and Del Amo Boulevard in the City of Carson, California, as shown on the Project Locus, Figure 1. This Phase I was conducted in consideration of WPT Industrial, LP intention to purchase and redevelop the property.

1.1 OBJECTIVE

The objective of a Phase I is to assess whether “[recognized environmental conditions](#)” (REC), [historical RECs \(HREC\)](#), and [controlled RECs \(CREC\)](#) are associated with the subject site by evaluating site history, interviews, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. Our conclusions are intended to help the user evaluate the “[business environmental risk](#)” associated with the subject site.

RECs are defined in the ASTM E 1527-13 Standard as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or under conditions that pose a [material threat](#) of a future release to the environment.” The definitions of RECs, HRECs, and CRECs are included in the Glossary section of this report.

1.2 SCOPE OF SERVICES

This work was performed by Haley & Aldrich and this Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-13 Standard and All [Appropriate Inquiries \(AAI\)](#) Rule² and in accordance with our proposal to WPT Industrial, LP dated 14 January 2021 (“Agreement”) as authorized on 15 January 2021. The Phase I limitations and Agreement are attached hereto as Appendix A.

As part of this Phase I, Haley & Aldrich conducted visual observations of site conditions and of abutting property use and interviewed a [key site manager](#) (site reconnaissance); reviewed federal, state, tribal, and local environmental database information, federal and state environmental files, previous reports (if identified and provided), and site historical use records; and formulated conclusions regarding the potential presence and impact of RECs.

1.3 NON-SCOPE CONSIDERATIONS

The ASTM E 1527-13 Standard includes the following list of “additional issues” that are non-scope considerations outside of the scope of the ASTM Phase I practice: asbestos-containing materials, biological agents, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance,

² American Society for Testing and Materials (ASTM) E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as referenced in 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule) (“ASTM E 1527-13 Standard”). Specified terms as are used in ASTM E 1527-13 are highlighted in blue in this report and defined in the Glossary at the end of the report text.

cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, and mold. These items were not included in this Phase I of the subject site.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-13 Standard as “electrical or hydraulic equipment known or likely to contain PCBs...to the extent visually and or physically observed or identified from the interview or records review.”

1.4 LIMITING CONDITIONS/DEVIATIONS

Haley & Aldrich completed this Phase I in substantial conformance with the ASTM E 1527-13 Standard. In our opinion, no additions were made to or deviations and deletions made from the ASTM work scope in completing this Phase I.

1.5 USER RESPONSIBILITIES

The completion of this Phase I is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM E 1527-13 Standard and the AAI Rule. User responsibilities are discussed in section 6.6 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-13 Standard.

2. Site Description

A description of the subject site is detailed in the sections below. Refer to Figure 1 for a project locus and Figure 2 for a site plan showing relevant site features and adjacent properties.

2.1 SITE OWNERSHIP, LOCATION, AND VICINITY DESCRIPTION

| Site Description | |
|---------------------------------|--|
| Owner | KL Fenix Corporation 19401 S. Main Street, Unit 301 Gardena, CA |
| Operator/Occupant | Not applicable |
| Current Site Use | Vacant land |
| Size | 14 acres |
| Building Square Footage | Not applicable |
| USGS 7.5 Minute Topographic Map | Torrance Quadrangle, 2012 |
| Site County | Los Angeles |
| Zoning | The site is zoned for light manufacturing as well as an organic refuse landfill. |
| Parcel Information | 7336-003-043 |
| Utilities | Water: Not applicable |
| | Sewerage: Not applicable |
| | Electricity: Not applicable |
| | Gas/Oil/LPG: Not applicable |
| Heating/Cooling System | Not applicable |

| Site Description | |
|--------------------------------|---|
| Site Vicinity Description | |
| General Area Description | The site vicinity consists of mixed-use properties including residential, commercial, and industrial developments. |
| Adjoining Property Description | North: A concrete storm channel across from which lies a storage facility. |
| | East: Main street beyond which lies Vista Loma Mobile Estates, residences, South Bay Vocational Center, and True Self Dance Studio |
| | South: A business part consisting of Glory Christian Fellowship, The International Printing Museum, Kelly Paper Store, Waste Tire Product Innovations, Mission Ebenezer Church, and other offices/stores. |
| | West: South Figueroa Street beyond which is Interstate I-110. |

2.2 PHYSICAL SETTING

Subsurface explorations and/or hydrogeologic investigations were not performed for this Phase I. Subject site geology and hydrology were evaluated on the basis of readily available public information and previous assessment reports, and/or based upon our experience and understanding of subsurface conditions in the vicinity of the subject site.

| Physical Setting | | Source |
|---------------------------------|---|--------|
| Topography Summary | The subject is generally flat with areas of differential settling. | 1 |
| Site Elevation | Approximately elevation 20-30 feet above mean sea level | 1 |
| Overburden Soils/Cover Material | The fill/cover material has been observed to be olive gray to dark yellowish brown clayey silt and silt with little or no plasticity and a stiff consistency. This fill/cover material is reported to be on average approximately 5.5 feet thick. Fill thickness ranges from 1.5 to 19 feet across the subject site. Native material consists of the Dominguez Erosional Gap which include fine-grained silty and clayey flood deposits. | 1 |

| Physical Setting | | Source |
|-------------------------------------|--|--------|
| Native Soils | Underlying the surficial soils at the subject site are the intercontinental marine deposits of the Lakewood Formation, which reportedly extends down to 220 feet below ground surface (bgs). The Upper Lakewood formation (approximately 80 feet bgs) consists of silty sands and fine sands which are underlain by sandy gravel or sandy clays. The basement of the Lakewood Formation, known as the Gage Aquifer, consists of an approximately 50-foot thick layer of sands. | 1 |
| Depth to Groundwater | Approximately 45-55 ft bgs. | 1 |
| Surface Water Flow Direction | Surface water appears to remain on site based on observed surface topography. It should be noted that the parcel map notes a surface water drainage easement on the north west corner of the subject site. | 1 |
| Regional Groundwater Flow Direction | Groundwater in the Bellflower aquifer generally flows from the northwest to southeast. | 2 |
| Nearest Surface Water Body | The Dominguez Channel is located approximately 3,500 feet northeast of the subject site. | 3 |

Sources:

1. *Final Remedial Action Plan, Wastefill Operable Unit, For a Portion of the Gardena Valley 1 & 2 Landfill*, June 1992, Prepared by Bryan A. Stirrat & Associates, Prepared for London Pacific Investments
2. *Draft Remedial Investigation Report Groundwater Operable Unit for A Portion of the Gardena Valley 1 & 2 Landfill*, July 1991 Prepared by Bryan A. Stirrat & Associates, Prepared for Watt/Walder Limited Partnership
3. *Google Maps*

| Environmentally Sensitive Areas | | Source |
|---------------------------------|---|--------|
| Floodplain | No | 1 |
| Mapped Wetlands | No | 1 |
| Groundwater Classification | Existing beneficial uses for municipal, agricultural, industrial service, and process supply. | 2 |

Sources:

1. *EDR Report*
2. https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000004414

3. Previous Reports

The following reports previously prepared for the subject site were reviewed for this Phase I. Information contained in these reports is included herein. The previously prepared reports and documents listed below were reviewed as part of this Phase I. Pertinent issues identified in those reports are summarized below. Relevant excerpts from these reports are included in Appendix B.

- *Final Remedial Action Plan, Wastefill Operable Unit, for a Portion of the Gardena Valley 1 & 2 Landfill*, June 1992, prepared by Bryan A. Stirrat & Associates,

This report presents a Remedial Investigation (RI), Baseline Health Risk Assessment (HRA), and Feasibility Study (FS) conducted at the subject site for the wastefill operable unit only (not groundwater beneath the subject site). The report includes a discussion of alternatives for remediation and associated costs. Below is a summary of findings.

The surface layer of soil cover was measured at an average thickness of 5.52 feet across the subject site. Localized areas in the surface soil were found to be contaminated with the following metals: arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, and zinc. In addition, localized areas of surface soils contained DDT and its breakdown products, polychlorinated biphenyls (PCBs), diethylphthalate, and di-n-butylphthalate.

The average thickness of refuse was measured to be 25.15 feet (varying between 15 feet and 33.5 feet bgs), calculated to be a volume of 440,125 cubic yards of refuse. The refuse was found to be contaminated with metals, DDT breakdown products, PCBs, and 24 semi-volatile organic compounds (SVOCs). Volatile organic compounds (VOCs) analyses were not performed of the refuse due to a change in drilling methods for health and safety reasons.

Soil beneath the landfill was not investigated further than 5 feet below the landfill base.

Liquids or saturated areas were not encountered within the landfill during the drilling activities conducted.

Landfill analysis indicated that methane concentrations were within normal ranges for a solid waste disposal site. Landfill gas analysis also detected 16 VOCs as well as other non-identifiable VOCs.

Ambient air sampling and analysis indicated that 9 VOCs were detected, with slightly higher detections from downwind locations than from upwind locations.

A human health risk assessment prepared for the subject site concluded that there was a lifetime cancer risk of four in one million for an onsite trespasser, and a lifetime cancer risk of three in one hundred million for an offsite resident. The report indicates unidentified VOCs constituents detected at the landfill may pose a higher risk. Also, detected ambient air concentrations would also pose a greater risk.

A remedial feasibility study included the evaluation of seven remedial alternatives. The remedial feasibility study concluded that the preferred remedial action alternative of capping

the landfill with a multi-layer clay/asphalt cover, installing a landfill gas collection system, and using a landfill gas flare system to destroy organic chemicals in landfill gas.

The report also provides historical information for the subject site. The Gardena Valley 1 & 2 Landfill operated between November 1956 and October 1959 under a County of Los Angeles Industrial Waste Disposal Permit. The waste permit indicated that the landfill must accept at least 75% residential waste, while the remaining 25% could be "other waste". Permitted wastes included combustible and non-combustible rubbish, mixed garbage, construction refuse, insoluble solid industrial wastes, solid fill, and a "few unspecified innocuous industrial wastes and sludges." Hog waste (animal waste) was reportedly also accepted under certain circumstances. The waste permit required one part of clean soil to be placed in the landfill for every three parts of waste that was disposed of in the landfill. The Regional Water Quality Control Board (RWQCB), under Resolution No. 58-26, indicated that the following wastes were permitted for disposal at the subject site.

- Solid ordinary household wastes
- Semi-liquids (10 gallons per cubic yard)
- Rotary drill mud and crude oil tank bottoms
- Drill crude
- Unrefined petroleum tank cleanings
- Paint sludge and dry paint in drums
- Acetylene sludge
- Auto wash sludge
- Laundry sludge
- Latex
- Lime and soda water
- Molasses
- Cutting oil containing small amounts of hydrocarbons
- Certain semi-liquid wastes (on a case-by-case basis)

Surface Soil Analytical Results

Up to fourteen soil samples were collected from the surface soil cover and analyzed. The following chemicals and maximum concentrations were detected in the landfill cover:

- arsenic = 32 milligrams per kilogram (mg/kg)
- barium = 1,460 mg/kg
- beryllium = 0.6 mg/kg
- cadmium = 1.5 mg/kg
- copper = 144 mg/kg
- lead = 259 mg/kg
- mercury = 18.5 mg/kg
- nickel = 41.1 mg/kg
- zinc = 318 mg/kg

- diethylphthalate = 0.6 mg/kg
- di-n-butyl phthalate = 20 mg/kg
- o,p'-DDD = 0.055 mg/kg
- p,p'-DDD = 13 mg/kg
- p,p-DDE = 32 mg/kg
- p,p-DDT = 65 mg/kg
- o,p'-DDT = 15 mg/kg
- chlordane = 0.088 mg/kg
- Aroclor 1254 = 1.65 mg/kg
- Aroclor 1260 = 1.4 mg/kg

Comparison of the above concentrations with Code of California Regulations (CCR) Title 22 Total Threshold Limit Concentrations (TTLC) and 10 times Soluble Threshold Limit Concentrations (10 x STLC) indicates that detected constituent concentrations were below their respective TTLCs. However, TTLC values for barium, lead, and mercury exceeded 10 times STLC concentrations, which would then require STLC testing to determine whether or not any of these constituents were present at levels that would render the material as hazardous for waste disposal purposes.

In comparison, below are the maximum concentrations of metals detected in "background" soil samples collected between 30 to 50 feet (the report does not indicate the source of the background samples or the number of background samples collected):

- arsenic = not detected
- beryllium = 2.36 mg/kg
- cadmium = 13.74
- chromium = 65.76 mg/kg
- copper = 40.72 mg/kg
- lead = 4.61 mg/kg
- nickel = 36.11 mg/kg
- silver = 1.97
- zinc = 63.25 mg/kg

Landfill Waste and Landfill Base Analytical Results

The following chemicals were detected in the wastefill: metals (antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, zinc), DDT and its breakdown products, PCBs, and 24 semivolatile organic compounds (SVOCs).

Soils samples were collected from 1.5 feet, 2 feet, and 5 feet below the landfill base. SVOCs were detected in the two foot sample only (naphthalene at 0.48 mg/kg, 2-methylnaphthalene at 0.19 mg/kg, phenanthrene at 0.76 mg/kg, flouranthene at 0.22 mg/kg, butylbenzyl phthalate at 0.75 micrograms per kilogram [ug/kg]). Ethylbenzene (0.4 mg/kg) and xylenes (0.2 mg/kg) were the only two VOCs detected, and were found at 1.5 and 2 feet below the base of the landfill. VOCs were not detected in soil samples collected from 5 feet below the base of the landfill.

Samples collected from 5 feet below the base of the landfill only contained detectable concentrations of metals and did not contain detectable concentrations of VOCs, SVOCs, or pesticides. Below are the maximum concentrations of metals detected in soil samples collected between 1.5 and 5 feet below the base of the landfill:

- arsenic = 23.5 mg/kg
- beryllium = 0.6 mg/kg
- chromium = 21 mg/kg
- copper = 31.1 mg/kg
- lead = 22.5 mg/kg
- nickel = 19.2 mg/kg
- zinc = 74.9 mg/kg

None of the above concentrations exceeded 10 times their respective STLC values which is a proxy used for hazardous waste determination.

Landfill Leachate Analytical Results

Leachate was observed in the four onsite landfill gas monitoring wells. BAS concluded that the leachate originated from surface waters infiltrating through the landfill cover. Leachate samples were collected and analyzed for general minerals, metals, pesticides, PCBs, SVOCs, and VOCs. Pesticides and PCBs were not detected in the leachate samples. 12 VOCs and 7 SVOCs were detected in leachate samples.

- phenol = 23 micrograms per liter (ug/L)
- 1,4-dichlorobenzene = 41 ug/L
- isophorone = 19 ug/L
- benzoic acid = trace levels
- naphthalene = 37 ug/L
- 2-methylnaphthalene = 10 ug/L
- diethylphthalate = trace levels
- vinyl chloride = 2 ug/L
- chloroethane = 15 ug/L
- acetone = 2100 ug/L
- 1,1-dichloroethane = 10 ug/L
- 1,2-dichloroethene (total) = 2 ug/L
- 2-butanone = 10,000 ug/L
- benzene = 10 ug/L
- 4-methyl-2-pentanone = 1700 ug/L
- toluene = 750 ug/L
- ethylbenzene = 180 ug/L
- total xylenes = 350 ug/L

Landfill Gas Analytical Results

The following average concentrations were detected in landfill gas from vapor wells previously located on the subject site:

- methane = 48 percent by volume
- toluene = 21 parts per million (ppm)
- xylenes = 19 ppm
- ethylbenzene = 18 ppm
- 13 other VOCs
- total gaseous non-methane organics (TGNMO) = 5,212 ppm

The report does not indicate the depth of the landfill gas sample collection.

Air Sampling Analytical Results

Nine chemicals were detected in surface air samples, including benzene, dichloromethane, tetrachloroethene, tetrachloromethane, and 1,1,1-trichloroethane. The report reviewed did not indicate the concentrations of these chemicals.

The following twelve compounds were reported as having been detected in ambient air samples (concentrations were not provided in the report):

- benzene
 - ethylbenzene
 - dichloromethane
 - m/p-xylene
 - o-xylene
 - tetrachloroethene
 - tetrachloromethane
 - toluene
 - Trichloroethene
 - 1,1-dichloroethene
 - 1,1,1-trichloroethane
 - p-dichlorobenzene
- *Draft Remedial Investigation Report Groundwater Operable Unit for A Portion of the Gardena Valley 1 & 2 Landfill, July 1993, prepared by Bryan A. Stirrat & Associates*

The purpose of this report was to characterize the nature and extent of groundwater contamination resulting from the landfill, evaluate human health risk, and evaluate remedial options.

17 groundwater monitoring wells were installed at and in the vicinity of the subject site. 8 shallow soil borings were advanced, four of these were converted into vapor wells and four were used for waste characterization purposes. Monitoring wells GW-1, GW-2, and GW-3 were abandoned as the DTSC did not believe that results from samples collected from these wells demonstrated a significant source contribution to groundwater contamination. It should be noted that benzene was detected in wells GW-1,-2, and -3 at concentrations of 0.7, 28, and 30 ug/L, respectively.

Below is a summary of conclusions:

- Chloride, electric conductivity, sulfate, TDS, and manganese exceeded state Maximum Contaminant Levels (MCLs) in the shallow Bellflower aquifer. 1,2-Dichloroethane (1.25 ug/L) exceeded MCLs in a downgradient well GW-6A. Four other VOCs and one SVOC were detected in downgradient wells, but at concentrations below MCLs (1,1-dichloroethane at 1 ug/L, cis-1,2-dichloroethene at 2 ug/L, trichloroethene at 3 ug/L, tetrachloroethene at 3 ug/L, and bis(2-ethylhexyl)phthalate at 20 ug/L). Tetrachloroethene was also detected in an upgradient well at a concentration below its established MCL (1 ug/L).
 - Chloride, electric conductivity, sulfate, TDS, and manganese exceeded state MCLs in the intermediate Bellflower aquifer. Two VOCs were detected in downgradient well GW-6A, but at concentrations below MCLs (acetone at 20 ug/L and methylene chloride at 13 ug/L).
 - Chloride, electric conductivity, sulfate, TDS, and manganese exceeded state MCLs in the deep Bellflower aquifer. The only VOC detected in the deep Bellflower aquifer was carbon disulfide (downgradient well GW-6C) at a concentration of 14 ug/L, and this chemical does not have an established MCL.
 - Chloride, electric conductivity, sulfate, TDS, manganese, 1,2-dichloroethane (5 ug/L), and benzene (2 ug/L) exceeded state MCLs in the Gage aquifer. Several other VOCs were detected in downgradient well GW-6D during one sampling event in May 1991 at concentrations below MCLs. These concentrations were not detected after wells GW-1, GW-2, and GW-3 were abandoned under the supervision of DTSC. This report concludes that these wells, which were installed to approximate depths between 116 and 140 feet bgs, may have formerly created a vertical pathway from the subject site to the Gage aquifer. The following chemicals and concentrations were detected in the Gage aquifer wells: cis-1,2-dichloroethene (13 ug/L), 1,2-dichloroethene (5 ug/L), benzene (2 ug/L), trichloroethene (5 ug/L), tetrachloroethene (7 ug/L), ethylbenzene (2 ug/L), xylenes (2 ug/L), 4-methyl-2-pentanone (10 ug/L), chlorobenzene (2 ug/L), and isophorone (47 ug/L).
- *Final Design Report, Gardena Valley 1 & 2 Landfill, Carson, California, June 1999, prepared by Tetra Tech, Inc.*

This report was prepared for the DTSC and outlines specifications of a landfill cap and landfill gas control system for proper closure of the subject site. The remedial objective includes designing a landfill cap to minimize stormwater infiltration, control stormwater runoff, and prevent

erosion. The landfill cap design consisted of a 24-inch foundation fill layer, a low permeability geosynthetic clay liner, a geocomposite drainage layer, and 18-inch layer of crushed stone base, and a 4-inch asphalt layer. Remedial objectives also included designing a landfill gas extraction system with an incineration system that destroys landfill gas concentrations to acceptable concentrations and prevents offsite migration of landfill gases. The landfill gas extraction system was proposed to consist of 24 vertical extraction wells that transport landfill gas to an onsite flare system. In addition, vapor probes were proposed to be installed outside the refuse area to monitor offsite landfill gas migration.

- *Draft Phase I Environmental Site Assessment, Mission Ebenezer Church Property, 405, 415, and 425 West Torrance Boulevard, August 2002, prepared by LFR Levine Fricke, Prepared for Holland & Knight.*

This Phase I was performed for the Mission Ebenezer Church Property located on the property south of the subject site. This property was reportedly vacant land until the early 1940's when scattered buildings, drum and equipment storage yards, and "possible" wastewater ponds associated with the oil refinery to the south were developed on this property. These ponds were not able to be positively identified by Haley & Aldrich's review of the historical aerial photographs. This operation was ceased in the early 1960, and the property was vacant until the early 1970's when the current onsite buildings were constructed. This Phase I reported that soil sampling conducted in the area of the former refinery buildings indicated petroleum hydrocarbon and possible solvent related VOC contamination. In addition, arsenic concentrations in soil were reportedly detected above industrial preliminary remediation goals (PRGs) at this property during sampling conducted as part of the Gardena Valley 1 & 2 Landfill site characterization.

This Phase I summarizes information regarding the following landfills located in the vicinity:

- The former Gardena Valley 5 Landfill (Golden Eagle Refinery) was located south of Torrance Boulevard. The refinery operated between 1922 and 1984. Oil waste landfarming was performed on approximately 20 acres of this facility, and a Class III landfill was operated between 1962 and 1963 on approximately 10 acres of this facility. This landfill accepted household refuse, construction debris, and less than one percent semi-liquid waste. LASMO Oil and Gas (LASMO) purchased the property in 1991. LASMO submitted a Remedial Action Plan which was approved by the DTSC in July 1994. Lead contaminated soil was treated by solidification and transported offsite in September 1994. An air sparging/vapor extraction (AS/VE) system for treatment of hydrocarbon contaminated soil and groundwater had been constructed and was operated at the site at the time of the report (August 2002).

The DTSC issued a NFA letter for the top 40 feet of soil at this facility in 1995. The AS/VE system was still being operated for remediation of groundwater at the time of the report.

Groundwater monitoring data collected at the Gardena Valley 5 site indicates that groundwater contamination is limited to the Upper Bellflower Aquifer and had not migrated offsite. The AS/VE system had reportedly reduced contaminant concentration by over 90 percent, and the remediation system had been deemed no longer necessary.

A landfill gas collection system reportedly continued to operate under SCAQMD permits. The landfill had been closed under the supervision of the RWQCB.

- The former Gardena Valley Landfill 4 was located at 833 W. Torrance Boulevard, west of the Interstate-110. This unlined landfill was reportedly 22 acres and accepted Class II type refuse and liquid waste consisting of paint sludge, latex waste, cement, sand-water, resins, acetylene sludge, and tank bottom sediments. Benzene, ethylbenzene, naphthalene, tetrachloroethene, chloroform, dichlorobenzene, and DDT had been detected in groundwater beneath this landfill. This report indicates that these chemicals may have originated from the Montrose DDT Plant and the Del Amo Synthetic Rubber Plant.
 - The former Werdin Dump was located at 20402 S. Main Street, on the east side of Main Street. This Class III landfill was operated in 1964 and was developed as a mobile home park in 1968. Household refuse, inorganic solids, and inert materials were reportedly accepted at this landfill. The DTSC issued a NFA letter for this landfill in 1995.
 - The former Cal Compact Landfill was located at 20400 S. Main Street, on the east side of Main Street. This 157 acre Class II landfill was operated between 1959 to 1968. Investigations had detected lead, nickel, arsenic, DDT, herbicides, organic resins, hydrocarbons, and solvents in soil and leachate at this site. Methane gas had been detected escaping from cracks in the landfill cover (between 3 and 20 feet of soil was placed as a landfill cover when the landfill ceased operations).
 - The former Southwest Conservation Landfill is located at 20300 S. Main Street, north of the subject site. This Class II Landfill was operated between 1964 and 1971 and accepted asbestos containing material, oil field and refinery liquid wastes, household wastes, drilling mud, unspecified oil containing waste, and metal sludge. This landfill was not constructed with a bottom liner or a leachate collection system. The DTSC required the preparation of a Preliminary Endangerment Assessment of this landfill in November 1999.
- *Phase II Subsurface Soil, Soil-Vapor, and Groundwater Investigation, 405-425 West Torrance Boulevard, September 2002, Prepared by AEI Consultants*

This investigation, at the above referenced addresses directly south of the subject site, was conducted as part of a due diligence process to investigate the potential impacts from the adjacent landfill to the north (the subject site) and from activities on this site associated with the former Golden Eagle Refinery located to the south, including the potential of above ground storage tanks formerly located on this site associated with the refinery. The investigation consisted of the soil sampling and analysis from five soil borings advanced to depths between 30 and 62 feet below ground surface, collecting a groundwater sample from one of these borings and from two onsite groundwater monitoring wells, collecting four soil gas samples from the perimeter of the subject site landfill, and collecting three soil gas samples further south of the border of the subject site landfill. Groundwater of the semi-perched Upper Bellflower Aquifer was encountered at depths between 40 and 45 feet bgs.

A total of twelve soil samples were collected from depths ranging between 5 feet and 40 feet bgs. Gasoline, diesel, and oil range hydrocarbons were not detected in any of these soil samples. The only VOCs detected in these soil samples were n-butylbenzene (38.2 ug/kg), naphthalene (255 ug/kg), and sec-butylbenzene (25.4 ug/kg) in one soil boring at a depth of 30 feet bgs.

The seven soil gas samples collected at depths of 9.5 feet bgs did not detect reportable concentrations of gasoline, methane, or VOCs.

A hydropunch groundwater sample collected from the Upper Bellflower Aquifer contained cis-1,2-dichloroethene (7.6 ug/L), 1,2-dichloroethane (5.7 ug/L), and t-butyl alcohol (54.3 ug/L). Other VOCs, gasoline, diesel, and oil range hydrocarbons were not detected in this groundwater sample. In addition, VOCs and gasoline, diesel, and oil range hydrocarbons were not detected in a groundwater sample collected from the Middle Bellflower Aquifer and the Lower Bellflower Aquifer.

This investigation concluded that there was no evidence of onsite releases of hydrocarbons or VOCs or evidence of vapor concentrations that could potentially pose a risk to human health.

- *Report on Geotechnical Feasibility Evaluation, Gardena Valley 1 and 2 Property, Carson City, California, August 2005, prepared by Haley & Aldrich.*

Haley & Aldrich conducted this feasibility study to provide preliminary information on geotechnical-related issues to Trammel Crow Company for their use in evaluating the feasibility of developing the property for commercial or retail use. The study scope included researching available geotechnical information, conducting a limited subsurface investigation to view the nature of the waste materials in the landfill, making preliminary evaluations of geotechnical aspects of site building design and construction including estimating order of magnitude geotechnical-related costs, and preparing this report.

Haley & Aldrich excavated 17 test pits within the upper 20 feet of the landfill. The soils and materials within the test pits were observed and documented by a Haley & Aldrich geologist. Soils above the wastefill were logged at depths from the surface to between 5 and 13 feet below surface grade. Wastefill was observed as containing wood construction debris, concrete rubble, paper and cardboard, metal cans and scraps, vegetation, rubber tires, household trash and decomposed waste.

The report documented site development issues including site settlement, building foundation requirements, utilities and transition zones, site grading, storm water detention systems, and landfill gas protection and management.

- *Limited Soil Vapor Survey, 205-305 West Torrance Boulevard, 20793-20795 South Main Street, Carson, California, July 2013, prepared by AEI Consultants.*

The purpose of the investigation was to assess whether methane or VOCs are potentially emanating onto the property from offsite (Gardena Valley 1 & 2 Landfill). A total of four one-inch diameter borings were advanced using a rotohammer drill and dual nested temporary vapor probes were installed within the boreholes, for a total of eight soil vapor probes. No

VOCs were detected in the in the soil vapor samples. Methane was detected in five samples at concentrations ranging from 2.13 to 2,234 ug/L. AEI concluded that the highest detected concentration of methane was still well below the lower explosive limit for methane by volume of air. Based on the findings of the report, AEI recommended no further investigation is warranted to assess soil vapor at this property.

4. Site History

Haley & Aldrich assessed past usage of the subject site and adjoining properties through a review of:

- Topographic Maps dated 1896, 1924, 1930, 1934, 1948, 1951, 1964, 1972, 1981, 2012;
- Aerial Photographs dated 1928, 1947, 1952, 1963, 1977, 1981, 1989, 1994, 2002, 2009, 2012, 2016;
- City Directories dated 1946, 1950, 1970, 1975, 1976, 1980, 1981, 1985, 1986, 1990, 1994;
- Municipal records;
- Previous Reports; and
- Interviews with subject site personnel.

Copies of information obtained from historical references reviewed are included in Appendix C. Unless otherwise noted below, per the ASTM standard, sources were reviewed dating back to 1940 or first developed use, whichever is earlier, and at 5-year intervals if the use of the property has changed within the time period.

4.1 SUBJECT SITE

Past usage of the subject site was assessed through a review of aerial photographs, historical topographic maps, and city directories. Copies of historical references reviewed are included in Appendix C.

According to aerial photographs and documentation in reports reviewed for this assessment, the subject site was first developed in the 1940's with buildings, storage yards, and possible ASTs (containing unknown materials) associated with the Golden Eagle Refinery which operated at the property south of Torrance Blvd. These structures were decommissioned by 1956. The subject site was reportedly used as a borrow pit for fill material to construct the adjacent Interstate-110. As a result of this borrow pit, the subject site was operated as the Gardena Valley 1 & 2 Landfill between November 1956 and October 1959. The subject site has been vacant, undeveloped land since landfill operations ceased in October 1959.

The table below provides a detailed summary of pertinent information from the historical sources reviewed:

| Dates | Description of Subject Site | Sources |
|-----------|--|---|
| 1924-1934 | The 1924 aerial photograph depicts the subject site as being vacant and undeveloped. A slough or water drainage area is visible on the northern portion of the subject site. Torrance Boulevard and Main Street are apparent. Main Street forms the eastern border of the subject site and Torrance Boulevard is located just south of the subject site. | 1924-1934 Topo maps 1928 Aerials |

| Dates | Description of Subject Site | Sources |
|-------------|--|--|
| 1947-1952 | The 1947 aerial photograph depicts development on the subject site including unpaved driveways, structures, and possibly circular above ground storage tanks. | 1930-1951 Topo maps 1947-1952 Aerials |
| 1963 - 2012 | The 1963 aerial photograph depicts the subject site as vacant, graded land. The 1964 topographic map no longer contains the slough feature to the north of the subject site and depicts a water channel which is confirmed in the 1977 aerial photograph. Figueroa Street has been constructed and forms the western border of the subject site. | 1964-2012 Topo maps 1963 – 2012 Aerials |

4.2 ADJOINING PROPERTIES

The table below provides a summary of pertinent information from the historical sources reviewed regarding adjacent properties:

| Dates | Description of Adjacent Properties | Sources |
|-----------|---|--|
| 1928-1934 | North: Slough South: South of subject site is Torrance Boulevard and a property that appears to be developed as an oil refinery consisting of nine ASTs and approximately four smaller ASTs. The oil refinery is listed as Sunset Pacific Oil Tank Farm on the 1930 and 1934 topographic maps. East: Vacant West: Vacant | 1924-1934 Topo maps 1928 Aerials |
| 1947-1952 | North: Commercial development appears further northwest of the subject site, including approximately seven ASTs. South: Residential structures on the property just south of the subject site, along the north side of Torrance Boulevard. East: Vacant West: Vacant | 1930-1951 Topo maps 1947-1952 Aerials |

| Dates | Description of Adjacent Properties | Sources |
|-----------|--|---|
| 1963 | <p>North: A channel appears to be under construction and the slough is no longer discernable.</p> <p>South: Property has been graded.</p> <p>East: Additional residential structures.</p> <p>West: Figueroa Street has been constructed and interstate-110 has been constructed west of Figueroa.</p> | 1963 Aerial |
| 1977-2016 | <p>North: The concrete lined channel can be seen in the 1977 aerial photograph. A storage facility, north of the drainage channel, is constructed in 1977 with progressive development over the subsequent years.</p> <p>South: The property south of the subject site contains commercial buildings in the 1977 aerial photograph and the layout remains largely unchanged in the 2016 aerial photograph. The Sunset Pacific Oil Tank Farm can no longer be seen in the 1989 aerial photograph and the land appears to be graded and remains vacant until 2002 when commercial buildings appear.</p> <p>East: The residences to the east remain largely unchanged from the 1963 photograph. The 2016 aerial photograph depicts open pits to the northeast which is the Cal Compact Landfill.</p> <p>West: Development to the west remains largely unchanged from the previous period.</p> | <p>1964-2012 Topo maps</p> <p>1977 – 2012 Aerials</p> |

5. Environmental Records Review

5.1 ENVIRONMENTAL DATABASE RECORDS SEARCH

Haley & Aldrich used the electronic database service, Environmental Data Resources (EDR) to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced agency records, located within the ASTM-specified approximate minimum search distances as shown in the table below. A description of each database searched is in Section 11.2 of this report. The complete environmental database report is provided in Appendix D. Pertinent information obtained from the database is summarized in Section 5.3 below.

| Database Searched | Approximate Minimum Search Distance | Subject Site Listed? | Number of Sites within Search Distance ¹ |
|---|-------------------------------------|----------------------|---|
| 1. NPL Sites | 1 mile | No | 2 |
| 2. Delisted NPL Sites | 1 mile | No | 0 |
| 3. CERCLIS ² Sites | 0.5 mile | No | 5 |
| 4. CERCLIS-NFRAP ² Sites | 0.5 mile | Yes | 4 |
| 5. Federal ERNS | Site only | No | Not Applicable |
| 6. RCRA non-CORRACTS TSD Facilities | 0.5 mile | No | 1 |
| 7. RCRA CORRACTS TSD Facilities | 1 mile | No | 0 |
| 8. RCRA Generators | Site & Adjoining | No | 5 |
| 9. Federal Institutional/Engineering Controls | Site Only | No | Not Applicable |
| 10. State/Tribal Equivalent NPL Sites | 1 mile | No | 3 |
| 11. State/Tribal Equivalent CERCLIS ² Sites | 1 mile | Yes | 36 |
| 12. State/Tribal Registered Storage Tanks | 0.5 mile | No | 5 |
| 13. State/Tribal Landfills and Solid Waste Disposal Sites | 0.5 mile | No | 16 |
| 14. State/Tribal Leaking Storage Tanks | 0.5 mile | No | 9 |
| 15. State/Tribal Institutional Controls/Engineering Controls ⁴ | Site Only | Yes | Not Applicable |
| 16. State/Tribal Voluntary Cleanup Sites | 0.5 mile | Yes | 8 |
| 17. State/Tribal Brownfield Sites | 0.5 mile | No | 0 |
| 18. Orphan Site List ³ | Site & Adjoining | No | 11 |

Notes:

1. Some sites may be included on multiple databases.
2. The US EPA retired the CERCLIS database in October 2013. In January 2016, the Superfund Enterprise Management System (SEMS), which replaces the CERCLIS database, became active. The CERCLIS database records search included as part of this assessment includes currently ascertainable data from the SEMS and SEMS-Archive databases as reported through the database vendor.
3. Haley & Aldrich also searched the [Orphan Site](#) List provided in the database report for the subject site and sites adjoining the subject site. Orphan sites are those that, due to incorrect or incomplete addresses, could not be mapped.

5.2 ADDITIONAL ENVIRONMENTAL RECORDS OR FILE REVIEW

To supplement the environmental record search, we contacted the following state and local government agencies and searched applicable online databases. If copies of the documents reviewed were obtained, pertinent material is included in Appendix D. Relevant information obtained is included in the appropriate sections of the report and/or discussed in Section 5.3 below.

| Agency | Request Sent or Files Searched | | Files Exist and are Available for Review | Files Reviewed |
|--|--------------------------------|----------------------|--|----------------|
| | Subject Site | Adjoining Properties | | |
| Department of Toxic Substances Control | Yes | No | Yes | Yes |
| Los Angeles Regional Water Quality Control Board | Yes | No | Yes | Yes |
| Los Angeles County Department of Public Health | Yes | No | No | No |

Notes:

1. To date, no responses have been received from the Freedom of Information Act (FOIA) requests noted above. Based on the information obtained through our interviews with key site personnel, and our review of other online records, it does not appear that responses to the FOIA requests should affect our conclusions regarding RECs on the site. However, when a response is received, it will be forwarded to WPT Industrial and, if it affects our conclusions regarding the site, WPT Industrial will be informed.
2. The Department of Toxic Substances Control maintains information regarding environmental assessments related to a variety of industries including landfills.
3. The Los Angeles Regional Water Quality Control Board maintains information regarding groundwater quality.
4. The Los Angeles County Department of Public Health maintains information regarding miscellaneous public health data.

5.3 DETAILED DESCRIPTION OF RELEVANT INFORMATION

5.3.1 Subject Site

The subject site was listed under several classifications in the database report. The table below provides a summary of the various listings.

| Listing | Description | Potential Impact |
|---|---|---|
| CERCLIS- NFRAP (SEMS- ARCHIVE) ENVIROSTOR DEED VCP HIST Cal-Sites HIST CORTESE CA BOND PLAN FINDS | The subject sites listing on various database entries is a reflection of its historical use as the Gardena Valley 1 & 2 Landfill. In Section 3, various environmental investigations have been undertaken to evaluate potential soil, soil vapor & landfill gas, refuse, leachate, and groundwater impacts related to historical landfill operations. These investigations have revealed impacts to the above environmental media to vary degrees. As such, the DTSC has placed deed restrictions on the property requiring that future development must meet design criteria including engineering controls to mitigate surface infiltration of water through the topsoil and a landfill gas extraction and incineration system. A leachate collection and treatment system may be required if leachate is found to be migrating off-site. Groundwater contamination is considered to be minimal based on the data provided. | The historical landfill activity at the subject site is considered a REC. |

5.3.2 Nearby Sites

Several sites were listed in the database report within the applicable search radii or identified in regulatory records reviews. Due to their location with respect to the subject site (on the opposite side of a hydrogeologic barrier, distance from the site, location of the site relative to inferred groundwater flow, subsurface utilities and building levels, etc.), or their status (closed out release, etc.), several of the sites are not likely to adversely affect the subject site and are not discussed herein. Only those sites adjacent to the subject site and sites with a potential to have impacted the subject site are discussed below. The complete database report and relevant records review information is included in Appendix D.

Montrose Chemical Corporation & Del Amo Synthetic Rubber Plant Sites

The Montrose site and the Del Amo site are separate, but adjacent, Superfund sites that have commingled groundwater contamination. The former Montrose Chemical and Del Amo plants are located in the Harbor Gateway between the Cities of Torrance and Carson. The Montrose site is approximately one-half miles west/northwest and hydrogeologically upgradient of the subject site. The Del Amo site is located approximately 0.25-miles northwest and hydrogeologically upgradient of the subject site. Overall groundwater contamination associated with these two sites has come to be located over an area extending more than 1.3 miles in length, but its extent differs widely with the depth of the water-bearing unit as well as the lateral location being considered.

Montrose Chemical Corporation operated a technical grade dichloro-diphenyltrichlorethane (DDT) pesticide manufacturing plant in Los Angeles from 1947 to 1982. During its 35 years of operation, the Montrose plant released hazardous substances, pollutants, or contaminants, into the surrounding environment, including surface soils, surface drainage and stormwater pathways, sanitary sewers, the Pacific Ocean, and groundwater.

The Del Amo site was occupied by the United States War Assets Administration, which owned a synthetic rubber manufacturing facility in Harbor Gateway at this location, beginning in 1942. The War Assets Administration entered into operating agreements with Shell Oil Company (Shell), Dow Chemical Company, and several other companies, to operate the plant and to produce synthetic rubber for the United States during World War II. In 1955, Shell purchased the facility and began operating it directly. Shell operated the facility until 1972, at which time operations ceased, the plant was dismantled, and the plant buildings were razed. The plant property has been entirely redeveloped with light industrial and commercial enterprises, with the exception of the area at the south-central border of the former plant property, which is owned by Shell and is the location of the "Del Amo Waste Pits." The site did not take on the name "Del Amo" until later. The former Del Amo synthetic rubber plant property covered 270 acres, roughly 21 times the size of the neighboring Montrose plant property.

Investigations performed at both properties indicated that the groundwater contamination from the Del Amo and Montrose Chemical sites were commingled, and the evaluation of remedial alternatives related to groundwater contamination at one site was inseparable from the same evaluation at the other site. In 1995, the EPA informed the Montrose Chemical and Del Amo Respondents that the EPA intended to unite the remedial selection processes with respect to groundwater, thereby leading to a single feasibility study and a dual-site groundwater Record of Decision (ROD). EPA initiated a process to generate a single feasibility study, called a Joint Groundwater Feasibility Study to provide analysis to this ROD. A ROD addressing the groundwater operable unit at the Montrose Chemical and Del Amo Superfund sites was completed in March 1999.

Maps included in the ROD do not identify contamination plumes extending south onto the Site. In fact, the ROD summarizes the contamination plumes as follows: "low-to-moderate-income residential areas lie adjacent to the two former industrial plants. Most of the benzene plume lies under the former Del Amo plant, but some of it lies under the northern edge of the residential zone south of the former plant. Most of the chlorobenzene plume lies under residential and commercial areas south and southeast of the former Montrose plant, although most of this portion of the chlorobenzene plume is in the Middle Bellflower C-Sand and Gage Aquifer, with most of the overlying water table zone being uncontaminated. The TCE plume (as specifically defined in the ROD) lies entirely within industrial areas. An estimated 2,400 homes lie within one mile and 3,000 people live within one quarter mile to the south, southeast, and southwest of the former Montrose plant."

Based on information readily available from the EPA, the Montrose Chemical and Del Amo Superfund sites continue to be remediated by the identified responsible parties under the guidance of the EPA. While the ROD does not indicate a contaminant plume has extended onto the subject site, the plume margins are close to the subject site and there is a lack of monitoring wells to confirm that the groundwater plume has not reached at the subject site. Due to the proximity of the Superfund sites to the subject site, there is the potential for groundwater beneath the subject site to have been adversely impacted by the Superfund site contaminants.

Other Sites

| Property Name & Location | Database/ Record Identified | Description | Potential Impact to Subject Site |
|---|--|---|---|
| <p>Cal Compact 20030 S. Main Street</p> | <p>RESPONSE ENVIROSTOR SWF/LF LDS Cortese HIST CORTESE LOS ANGELES CO. HMS NPDES CIWQS CERS Los ANGELES CO LF METHANE RCRA SQG CA BOND EXP. PLAN</p> | <p>Cal Compact is located approximately ¼-mile north-northeast and hydrogeologically cross gradient from the subject site. The approximately 157-acre landfill was a former Class II landfill that accepted at least 250,000 cubic yards of hazardous waste liquids and sludges. The following chemicals have been detected in soils and leachate at the Cal Compact landfill: heavy metals (lead, nickel, arsenic), DDT, herbicides, organic resins, hydrocarbons, and solvents. The landfill was reportedly capped with between 3 and 20 feet of soil. However, methane and VOCs have been detected in soil gas migrating into surface air. Contamination has also been detected in a perched aquifer beneath this landfill. This landfill is adjacent to the Dominguez Channel, which flows to the Los Angeles Harbor. DTSC has identified 14 PRPs associated with this former landfill. A remedial investigation was begun in 1990.</p> | <p>This site potentially contributes to the regional groundwater contamination in the vicinity of the subject site.</p> |
| <p>Werdin Dump 20402 S. Main Street</p> | <p>SEMS- ARCHIVE LOS ANGELES CO. HMS HIST CORTESE ENVIROSTOR WMUDS/SW AT</p> | <p>The Werdin Landfill site is located approximately 1/8-mile northeast and is hydrogeologically crossgradient to the subject site. A preliminary assessment of this landfill was completed in 1987 and 1988, and site inspections were completed in 2002. This landfill was archived as “NFRAP” on 28 March 2002. The property was operated as the Werdin Landfill from 1964 to 1968, and has been occupied by a mobile home park from 1968 to present.</p> | <p>This site potentially contributes to the regional groundwater contamination in the vicinity of the subject site.</p> |

| Property Name & Location | Database/ Record Identified | Description | Potential Impact to Subject Site |
|---|---|---|--|
| Gardena Valley Landfill #5 306 W. Torrance Boulevard | SWF/LF HAZNET CERS LOS ANGELES CO LF METHANE HWTS | The Gardena Valley Landfill #5 is located approximately 1/8-mile south and is hydrogeologically downgradient to the subject site. The landfill formerly accepted inert, liquid, and mixed municipal waste. The landfill is reportedly closed and owned by ENI Oil & Gas Inc. This property is associated with the Former Golden Eagle Refinery. There is an ongoing pump and treat remedy in place that is control volatile organic contaminant flux into the Upper Bellflower at the site. | This site potentially contributes to the regional groundwater contamination in the vicinity of the subject site. |
| Gardena Valley Landfill #4 833 W. Torrance Boulevard | ENVIROSTOR SWF/LF CERS | The Garden Valley Landfill #4 site is located approximately ¼-mile west-southwest and hydrogeologically cross-gradient from the subject site. A preliminary assessment and site inspection reassessment was conducted in 2015. No other information concerning this site was available in the EDR report. | This site potentially contributes to the regional groundwater contamination in the vicinity of the subject site. |
| Former Golden Eagle Refinery 21000 S. Figueroa St. | SEMS RCRA-TSDF RCRA-LQG RESPONSE ENVIROSTOR CPS-SLIC SWEEPS UST DEED US FIN ASSUR Cortese LOS ANGELES CO. HMS HWP WDR CERS | Golden Eagle Refining Company is located approximately ¼-mile southwest and hydrogeologically downgradient from the subject site. The SLIC database indicates that substances released at this facility are metals, polyaromatic hydrocarbons (PAHs), petroleum hydrocarbons, semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs). There has been active remediation at this site including air sparge/SVE and in-situ chemical oxidation to address dissolved phase benzene, toluene, ethylbenzene, and xylene contamination. | This site potentially contributes to the regional groundwater contamination in the vicinity of the subject site. |

| Property Name & Location | Database/ Record Identified | Description | Potential Impact to Subject Site |
|---|--|---|--|
| Rollins Leasing Corp 20425 Hamilton Avenue | UST AST LUST Cortese CERS HIST UST RCRA NonGen/NLR FINDS ECHO HAZNET | The Rollins Leasing Corp Facility is located approximately ¼-mile northwest and hydrogeologically upgradient to the subject site. A release of an unreported substance occurred on 8 October 1987 and impacted groundwater. The case was closed on 18 September 1997. EDR indicated that other information associated with this case was not available. | This site potentially contributes to the regional groundwater contamination in the vicinity of the subject site. |

5.4 VAPOR MIGRATION

The ASTM 1527-13 standard states that "for the purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface". Thus, this section specifies whether or not we perceive a risk of vapor migration to the subject site.

To assess a vapor migration risk, we conducted a detailed review and analysis of the site-specific environmental database report and/or other reasonably ascertainable records to assess whether:

1. Off-site properties have documented chlorinated volatile organic compound (VOC) contamination located within 100 feet of the subject property, or
2. Off-site properties have documented volatile petroleum hydrocarbon contamination within 30 feet of the subject property.

Based on our records review, it is presumed likely that a potential source of vapor migration currently exists beneath the subject site due to the historical landfill operations at the subject site and due to VOC impacted groundwater in the vicinity of the subject site.

6. Site Reconnaissance and Key Personnel Interview(s)

A site visit to observe subject site conditions was conducted by Bryan Shams of Haley & Aldrich, on 21 January 2021. Access to the subject site was provided by Mr. Young Kim.

Haley & Aldrich personnel observed the subject site property which currently consists of approximately 14 acres of vacant land. Haley & Aldrich also observed the exterior portions of the subject site, including the property boundaries, and observed adjoining property conditions from the subject site boundaries and/or public thoroughfares. No weather-related conditions or other conditions that would limit our ability to observe the subject site or adjoining properties occurred during our site visit.

An interview with Mr. Young Kim, the [key site manager](#), was performed in conjunction with the site visit. Per the ASTM Standard, past owners, operators, and occupants of the subject site who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. Haley & Aldrich was not provided with contact information in order to interview past owners and/or operators at the subject site. Based upon historical data collected from other sources, this potential data gap is not expected to adversely impact the results of this assessment.

The findings of the site visit and interviews are discussed below. Site photographs are included in Appendix E.

ASTM E 1527-13 Standard Section 10.8 requires that, prior to the site visit, the current subject site owner or key site manager and user, if different from the current owner or key site manager, be asked if there are any helpful documents that can be made available for review. Mr. Kim did not provide documents. However, documents provided by WPT Industrial, LP were reviewed and summarized in Section 3.

6.1 CURRENT USE OF THE PROPERTY

The subject site is currently vacant and has been since the termination of the Gardena Valley 1 & 2 Landfill ceased operations in 1959.

6.2 GENERAL DESCRIPTION OF STRUCTURES

There are currently no structures on the subject site.

6.3 USE, STORAGE, AND DISPOSAL OF PETROLEUM PRODUCTS AND HAZARDOUS MATERIALS

Petroleum products and/or hazardous materials were observed or reported to be used, stored, and/or disposed of at the subject site as described below. The subject site operated as a landfill from 1956 to 1959 and were permitted to receive the following refuse:

6.4 OTHER SUBJECT SITE OBSERVATIONS

The table below summarizes items that were observed and/or reported at the subject site during the site visit other than those items related to use, storage, and disposal of petroleum or hazardous materials (described in Section 6.3 above). If items were observed or reported, they are further described either in the table or below.

| Description | Observed or Reported at Time of Site Visit | Observations/Comments |
|--|--|---|
| Potable Water Supply | No | |
| Nearest Drinking Water Source | No | |
| Sewage Disposal System | No | |
| Septic System | No | |
| Unidentified Storage Containers | No | |
| Wastewater Discharge | No | |
| Stormwater Discharge | No | |
| Odors | Yes | Landfill odors were noted during the site visit. |
| PCBs Associated with Electrical or Hydraulic Equipment | No | |
| Elevators (Traction or Hydraulic) | No | |
| Vehicle Maintenance Lifts | No | |
| Emergency Generators | No | |
| Sprinkler System Pumps | No | |
| Heating System | No | |
| Cooling System | No | |
| Stains or Corrosion on Floors, Walls, or Ceilings | No | |
| Floor Drains | No | |
| Sumps | No | |
| Catch Basins | No | |
| Pits, Ponds, Lagoons, and Pools of Liquid | No | |
| Stained Soil or Pavement | No | |
| Stressed Vegetation | Yes | Vegetation was noted as being stressed. |
| Solid Waste and Evidence of Waste Filling | Yes | Previously operated as the Gardena Valley 1 & 2 Landfill. |
| Dry Wells | No | |
| Monitoring Wells | Yes | Six 2-inch vapor wells and two uncapped metal pipes approximately 6- to 8-inches in diameter. |
| Water Supply Wells | No | |
| Irrigation Wells | No | |
| Injection Wells | No | |

| Description | Observed or Reported at Time of Site Visit | Observations/Comments |
|-----------------|--|---|
| Abandoned Wells | Yes | On-site groundwater monitoring wells GW-1, GW-2, and GW-3 were abandoned in 1990 during preceding groundwater operable unit investigations, reportedly under DTSC supervision. Evidence of these wells was not visible during the site visit. |

Notes:

1. *N/A items are those that were not observed or reported and/or not anticipated to be present given the nature of the site (e.g., building features not present on an undeveloped property).*

6.5 ADJOINING PROPERTY OBSERVATIONS

North of the subject site lies a concrete-lined drainage channel beyond which is a self-storage facility. East of the subject site is Main Street beyond which lies Vista Linda Mobile Estates, various private residences, South Bay Vocational Center, and True Self Dance Studio. South of the subject site is a business park consisting of Glory Christian Fellowship, Mission Ebenezer Church, The International Printing Museum, Waste Tire Product Innovations, Kelly Paper Store, and other offices/stores. West of the site lies S. Figueroa Street and Interstate-110. No potential environmental impacts were found when observing the adjoining property conditions.

6.6 USER RESPONSIBILITIES

The AAI Rule requires that the User of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- whether the user has determined that the subject site’s Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;
- whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and
- whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

While such information is not required to be provided by the environmental professional(s), the information can assist the environmental professional in identifying recognized environmental conditions. The “All Appropriate Inquiries” Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability.

Haley & Aldrich was provided with a completed user responsibilities questionnaire, which is attached in Appendix F.

7. Findings and Opinions

7.1 DATA GAPS

Our ability to identify and evaluate RECs at the subject site is conditioned upon [data gaps](#) identified as part of this Phase I.

No significant data gaps were identified during the performance of this Phase I. Thus, it is our opinion that sufficient information was obtained to identify subject site conditions indicative of releases or threatened releases of hazardous substances and petroleum hydrocarbons. Our opinion is limited by the conditions prevailing at the time our work is performed and the applicable regulatory requirements in effect. However, the soil, soil vapor, leachate, and groundwater data collected at the subject site was collected in the 1980s to early 1990s. No recent data has been collected to evaluate current groundwater conditions at the subject site.

7.2 RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines an REC in part as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.”

Our opinion regarding a REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, our experience evaluating similar sites, and on our understanding of the client's intended use for the subject site.

The following RECs listed below were identified in connection with the subject site.

REC #1: Former Operation of the Gardena Valley 1 & 2 Landfill

The subject site was operated as the Gardena Valley 1 & 2 Landfill between November 1956 and October 1959, which accepted Class II waste including municipal waste and potentially industrial waste. Soil at the subject site was reportedly originally excavated as a borrow site for the construction of the Interstate-110 freeway located to the west, and the resultant on-site excavation was subsequently utilized as a municipal landfill. The excavation was used as a landfill without placement of an engineered liner and without current-day practices which employ landfill gas extraction / monitoring and leachate collection systems. The landfill was subsequently covered with soil from an undocumented source. Analysis of this cover soil during previous site investigations indicated the presence of concentrations of metals, pesticides, and organics, including arsenic, DDT, polychlorinated biphenyls (PCBs), diethylphthalate, and di-n-butylphthalate. Organic chemicals and methane have been detected in landfill gas. Groundwater in the vicinity of the subject site has been impacted with volatile organic compounds.

REC #2: Former Onsite Operations Associated with the Golden Eagle Refinery

According to aerial photographs and documentation in reports reviewed for this Phase I, the subject site was first developed in the 1940s with buildings, storage yards, and possible aboveground storage tanks (containing unknown materials) and wastewater ponds associated with the Golden Eagle Refinery which was located to the south of Torrance Boulevard. These structures were decommissioned by 1956. These operations may have had the potential to have impacted subsurface soil and groundwater beneath the subject site. However, soil was excavated to a maximum depth of approximately 37 feet below ground surface during construction of the landfill, and therefore any impacted soil which may have existed from these former operations may have been excavated. Furthermore, previous sampling in the area did not identify petroleum hydrocarbon impacted soil and groundwater. Groundwater beneath the subject site has been impacted from a variety of sources in the vicinity of the subject site.

REC #3: Potential Impacts from Offsite Sources due to Former Landfills Operated in the Vicinity

The following landfills were formerly operated in the vicinity of the subject site: Gardena Valley 4 Landfill (located west-southwest and crossgradient), Gardena Valley 5 Landfill (located south and downgradient), Cal Compact Landfill (located north-northeast and crossgradient), Werdin Dump (located northeast and crossgradient), and the Southwest Conservation Landfill 4 (located north and upgradient). These landfills have reportedly collectively impacted regional groundwater quality in the vicinity of the subject site.

REC #4: Montrose and Del Amo Superfund Sites

The subject site is located within ½-mile south (and hydrogeologically downgradient) of a National Priority List (NPL) site that actually consists of two adjacent properties: Montrose Chemical and Del Amo Synthetic Rubber Plants. Although the United States Environmental Protection Agency's 1999 Record of Decision (ROD) does not indicate that a contamination plume has extended to beneath the subject site, due to the close proximity of the upgradient NPL sites to the subject site, there is the potential that groundwater beneath the subject site may have been or might be impacted in the future by the past releases from these NPL sites.

7.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines a CREC as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

CRECs were not identified in connection with the subject site.

7.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines an HREC as an environmental condition "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls

(for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

HRECs were not identified in connection with the subject site.

7.5 DE MINIMIS CONDITIONS

The ASTM E 1527-13 Standard defines *de minimis* conditions as those conditions which “do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” The ASTM E 1527-13 Standard notes that “conditions determined to be *de minimis* are not recognized environmental conditions.”

De minimis conditions were not identified in connection with the subject site.

8. Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of the ASTM Practice E 1527 of Gardena Valley 1 & 2 Landfill, in Carson, California, the property. Any exceptions to or deletions from, this practice are described in Section 1.4 of this report.

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the property except for the following:

- REC #1: Former Operation of the Gardena Valley 1 & 2 Landfill
- REC #2: Former Onsite Operations Associated with the Golden Eagle Refinery
- REC #3: Potential Impacts from Offsite Sources due to Former Landfills Operated in the Vicinity
- REC #4: Montrose and Del Amo Superfund Sites

Refer to Section 7.2 above for our opinion regarding those RECs listed above.

9. Environmental Professional Certification

The undersigned declare the following:

We declare that, to the best of our professional knowledge and belief, we meet the definition of [Environmental Professional](#) as defined in §312.10 of 40 CFR Part 312 and

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Keith A. Foster
Senior Technical Specialist



Mathew T. Raitel
Senior Technical Specialist

10. Credentials

This Phase I report was prepared by Keith Foster, under the direct supervision of Mathew Raithel, who served as the Environmental Professional(s) for this project. Qualification information for the project personnel is provided below.

Keith Foster
Senior Technical Specialist

This report was prepared by Keith Foster, who served as the project geologist for this project. Mr. Foster has over 10 years of experience managing and conducting Phase I and Phase II environmental site assessments, investigations, and remedial implementation programs throughout California, Arizona, Florida, and abroad. His experience includes commercial and industrial facilities, defense sites, power plants, and drinking water infrastructure.

Mathew Raithel
Senior Technical Specialist

This report was prepared by Mathew Raithel, who served as the project scientist for this project. Mr. Raithel has over 20 years of experience managing and conducting Phase I and Phase II environmental site assessments and investigations throughout Southern California and Arizona, including commercial and industrial facilities and linear projects such as electrical transmission lines and natural gas pipelines.

11. Glossary and Other Descriptions

11.1 GLOSSARY

All Appropriate Inquiry (AAI) — that inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense.

Business Environmental Risk — a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

Controlled Recognized Environmental Condition (CREC) — a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Data Gap — a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

De Minimis Conditions — conditions which do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Environmental Professional — a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b).

Historical Recognized Environmental Condition (HREC) — a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Key Site Manager — the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

Material Threat — a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it were deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Orphan Site — (not ASTM E 1527-13 definition) — sites that could not be mapped due to poor or inadequate address information.

Recognized Environmental Condition (REC) — the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

11.2 DESCRIPTIONS OF DATABASES SEARCHED

Numerous regulatory databases were searched during this Phase I. Each database reviewed is described in the database report presented in Appendix D. Those databases required by the ASTM E 1527-13 Standard are identified below.

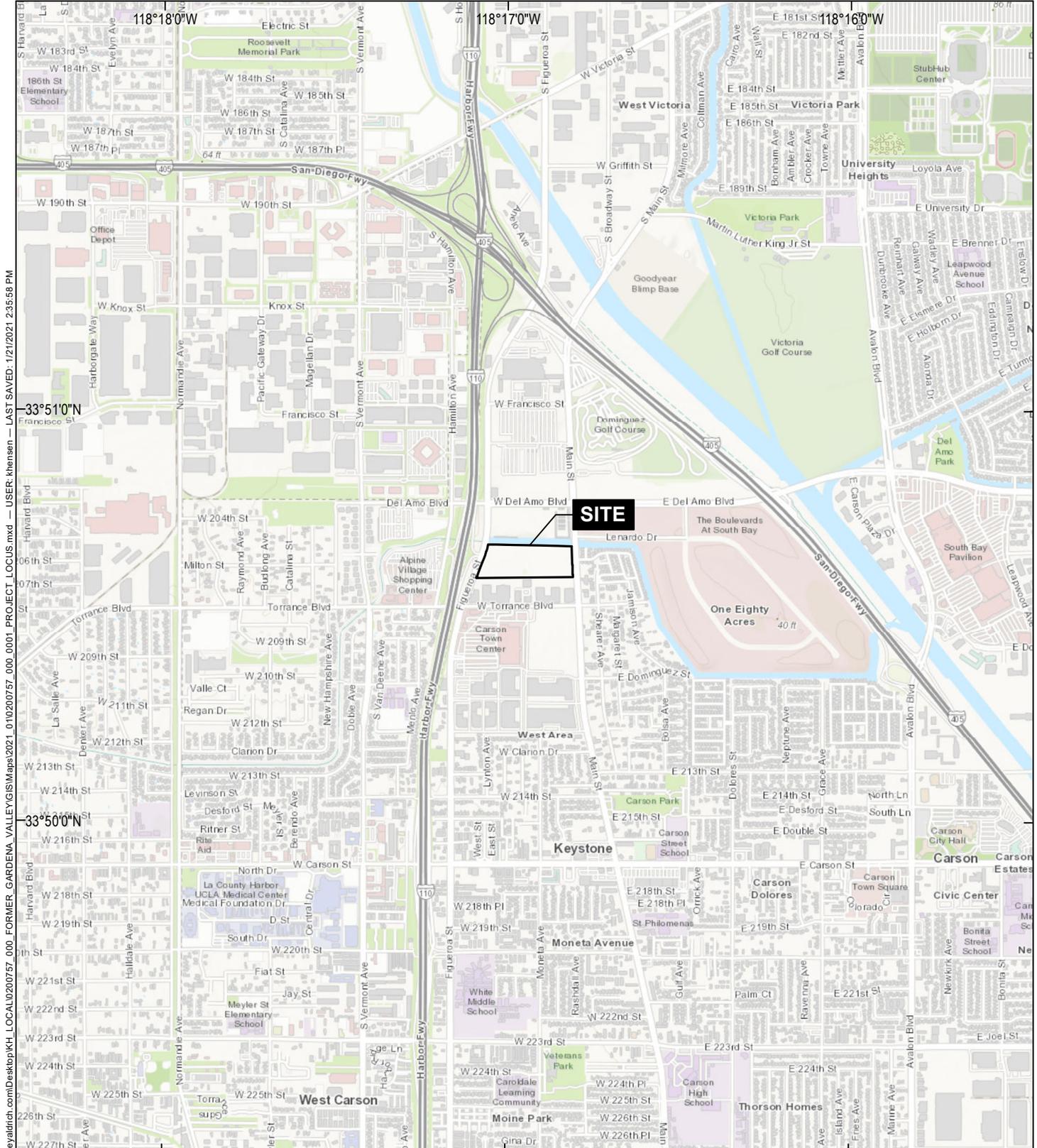
1. **NPL Sites:** The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for cleanup by the U.S. Environmental Protection Agency (USEPA).
2. **Delisted NPL Sites:** The Delisted National Priorities List (NPL) is a list of formal NPL sites formerly considered the highest priority for cleanup by the USEPA that met the criteria of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) for deletion from the NPL because a no further response was appropriate.
3. **CERCLIS Sites:** The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess whether they should be considered for inclusion on the NPL.
4. **CERCLIS-NFRAP Sites:** CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.
5. **Federal ERNS:** The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.
6. **RCRA non-CORRACTS TSD facilities:** The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

7. **RCRA CORRACTS TSD facilities:** The RCRA CORRACTS TSD Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.
8. **RCRA Generators:** The RCRA Generator list is maintained by the USEPA to track facilities that generate hazardous waste.
9. **Federal Institutional Controls/Engineering Controls:** The Federal Institutional Control list and Engineering Control list are maintained by the USEPA. Some Institutional Control and Engineering Control information may not be made publicly available and therefore will not be included on this registry.
10. **State and Tribal Equivalent NPL/CERCLIS Sites:** The (ASTM E 1527-13 Standard) requires searching “State and Tribal Equivalent NPL Sites.” In California, the equivalent NPL is the Response, which is maintained by the Department of Toxic Substances Control.
11. **State and Tribal Equivalent CERCLIS Sites:**
The (ASTM E 1527-13 Standard) requires searching “State and Tribal Equivalent CERCLIS Sites.” In California, the equivalent CERCLIS is the ENVIROSTOR database, which is maintained by the Department of Toxic Substances Control.
12. **State and Tribal Registered Storage Tanks:** The SWRCB maintains a list of aboveground and underground storage tanks registered with the SWRCB.
13. **State and Tribal Landfills and Solid Waste Disposal Sites:** DTSC maintains a list of regulated waste disposal sites.
14. **State and Tribal Leaking Storage Tanks:** SWRCB maintains a list of Leaking Storage Tanks (LUST/LAST). The LUST/LAST lists are a listing of release sites that have an Underground or Aboveground Storage Tank listed as the source.
15. **State and Tribal Institutional Controls/Engineering Controls:** DTSC maintains a list of sites with Institutional controls or Engineering controls in place.
16. **State and Tribal Voluntary Cleanup Sites:** DTSC maintains a list of Voluntary Cleanup sites.
17. **State and Tribal Brownfield Sites:** DTSC maintains a list of Brownfield sites which includes properties where redevelopment or re-use may be compromised by the presence or presumed presence of hazardous materials or petroleum.

12. References

1. Topographic Map, Torrance Quadrangle, United States Geological Survey 7.5 minute series, 2012.
2. Haley & Aldrich, Inc., site visit conducted by Bryan Shams on 21 January 2021.
3. Young Kim, interview with Haley & Aldrich, 21 January 2021.
4. Environmental Data Resources, Database Report, dated 19 January 2021.

FIGURE



GIS FILE PATH: C:\Users\kthensen\OneDrive - haleyaldrich.com\Desktop\KH_LOCAL\0200757_000_FORMER_GARDENA_VALLEY\GIS\Maps\2021_0110\200757_000_0001_PROJECT_LOCUS.mxd — USER: kthensen — LAST SAVED: 1/21/2021 2:35:58 PM



MAP SOURCE: ESRI
 SITE COORDINATES: 33°50'38"N, 118°16'55"W

**HALEY
ALDRICH**

FORMER GARDENA VALLEY NO. 1 AND 2 LANDFILL
 CARSON, CALIFORNIA

PROJECT LOCUS

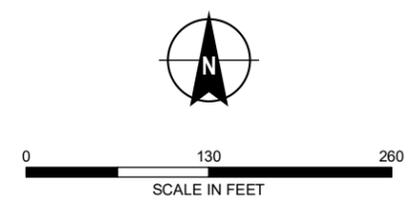
APPROXIMATE SCALE: 1 IN = 2000 FT
 JANUARY 2021

FIGURE 1



LEGEND
SITE BOUNDARY

NOTES
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: LOS ANGELES COUNTY
3. AERIAL IMAGERY SOURCE: ESRI



**HALEY
ALDRICH**

FORMER GARDENA VALLEY NO. 1 AND 2 LANDFILL
CARSON, CALIFORNIA

SITE PLAN

JANUARY 2021

FIGURE 2

APPENDIX A

**Limitations
Haley & Aldrich proposal dated
January 14, 2021**

APPENDIX A

Haley & Aldrich, Inc. Limitations

Environmental site assessment (“ESA”) reports prepared by Haley & Aldrich, Inc. (Haley & Aldrich) are for the sole and exclusive use of its Client. Haley & Aldrich represents that the ESA was prepared in accordance with the ASTM International Standard E1527-13 entitled “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (“ASTM E 1527 13”). The findings, opinions, conclusions, and information contained in the ASTM E 1527-13 ESA are limited to, and solely based upon, information reasonably ascertainable by Haley & Aldrich at the time the ASTM E 1527-13 ESA was completed.

All users of this ASTM E 1527-13 ESA are bound to the terms and conditions and limitations contained in the accompanying Proposal, Terms & Conditions, and Limitations for this ASTM E 1527-13 ESA. The findings, opinions, conclusions, and information contained in this report are based solely on the Scope of Services provided pursuant to the Proposal and its attachments and the information reasonably ascertainable by Haley & Aldrich at the time the ASTM E 1527-13 ESA was completed. Haley & Aldrich has not performed any additional observations, investigations, studies, or other testing not specified in the Scope of Services. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Scope of Services.

This ASTM E 1527-13 ESA is prepared for the exclusive use of Haley & Aldrich’s client in connection with the subject property for the purpose of assessing the potential or existing environmental contamination liabilities associated with the subject property. There are no intended beneficiaries other than Haley & Aldrich’s client. Haley & Aldrich shall owe no duty whatsoever to any other person or entity by issuing the ASTM E 1527-13 ESA. Use of this ASTM E 1527-13 ESA by any person or entity, including by Haley & Aldrich’s client, for a purpose other than for the purpose of assessing the potential or existing environmental contamination liabilities associated with the subject property is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the ASTM E 1527-13 ESA is adequate for such other use. Use of this ASTM E 1527-13 ESA by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person’s or entity’s sole risk and shall be without legal exposure or liability to Haley & Aldrich.

Haley & Aldrich may authorize third-party reliance on the ASTM E 1527-13 ESA by providing reliance letters to third party(ies) provided that the third party(ies) agree: (1) to use the ASTM E 1527-13 ESA only for the purpose of assessing the potential or existing environmental contamination liabilities associated with real property; (2) to be bound by the terms and conditions and limitations contained in the ASTM E 1527-13 ESA and the Proposal and its attachments, Terms & Conditions, and Limitations; (3) to accept the form and substance of Haley & Aldrich’s reliance letter; and (4) to deliver to Haley & Aldrich a signed copy of a reliance letter by an authorized representative of the relying party, within thirty (30) days after said reliance letter is provided to the relying party, signifying the relying party’s acceptance of the aforementioned conditions. Upon Haley & Aldrich’s receipt of the signed reliance letter by the relying party(ies), the relying party(ies) will be authorized to rely on Haley & Aldrich’s ASTM E 1527-13 ESA for the limited purpose of identifying potential or existing environmental contamination liabilities associated with the subject property. The relying party(ies) agrees to bind each of its respective successors and assigns to the aforementioned terms and conditions.

This ASTM E 1527-13 ESA reflects site conditions observed and described by records available to Haley & Aldrich as of the date of ASTM E 1527-13 ESA preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the ASTM E 1527-13 ESA. Accordingly, Haley & Aldrich's client and any other party to whom the ASTM E 1527-13 ESA is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of ASTM E 1527-13 ESA preparation. Haley & Aldrich makes no express or implied representation that the information contained in the ASTM E 1527-13 ESA has continued viability after 180 days of the ASTM E 1527-13 ESA's completion date, and any use or reliance on the ASTM E 1527-13 ESA after 180 days of the ASTM E 1527-13 ESA's completion date by Haley & Aldrich's client or any other authorized person or entity will be at that party's sole risk and without liability to Haley & Aldrich.

Notwithstanding anything contained herein, Haley & Aldrich shall not be liable for any claim or damage arising from environmental contamination liabilities that occurred on the subject property after the effective date of the ASTM E 1527-13 ESA. Likewise, Haley & Aldrich shall not be liable for any existing or future property owner's failure to satisfy any continuing obligation for CERCLA liability protection or under the Federal Environmental Protection Agency's All Appropriate Inquiries rule.



HALEY & ALDRICH, INC.
5333 Mission Center Road
Suite 300
San Diego, CA 92108
619.280.9210

14 January 2021
File No. P200757-000

WPT Industrial, LP
150 S. 5th Street,
Suite 2675
Minneapolis, MN 55402

Attention: Jonah Chodosh
 Director, Investments

Subject: Proposal for ASTM Phase I Environmental Site Assessment
 Gardena Valley 1 and 2 Landfill
 Carson, California

Ladies and Gentlemen:

Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this proposal to provide environmental due diligence consulting services in support of the purchase of the Gardena Valley #1 and #2 Landfill property located in Carson, California (subject site).

Project Understanding and Background

WPT Industrial, LP has requested a proposal in support of the proposed purchase of the subject site and future plans to construct three buildings on the subject site. In connection with this proposed transaction, you desire a Phase I Environmental Site Assessment¹ in order to identify potential environmental implications to your transaction.

The subject site consists of Assessor's Parcel Number 7336-003-030, located between Main Street, Torrance Boulevard, Figueroa Street, and Del Amo Boulevard. Figueroa Street and Main Street form the west and east boundaries of the subject site. A concrete lined storm water channel leading to the Dominguez Channel forms the northern border of the subject site, and the El Camino Plaza (consisting of commercial/retail buildings, the Mission Ebenezer Church, and associated parking lots) forms the southern border of the subject site. The subject site is currently vacant, unoccupied land and consists of approximately 14 acres. The subject site was formerly operated between November 1956 and October 1959 as the Gardena Valley 1 & 2 Landfill, which was permitted to accept Class II waste. Prior to this, a portion of the southern portion of the subject site may have been utilized by the Golden Eagle Refinery (formerly located to the south) and may have maintained aboveground storage tanks and possibly

¹ The ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13 Standard) as referenced in 40 CFR Part 312 (the All Appropriate Inquiries [AAI] Rule).

wastewater ponds associated with the oil refinery operations. The subject site has been undeveloped and vacant since the landfill operations ceased in 1959.

Scope and Costs

Haley & Aldrich will perform a Phase I for the subject site consistent with the ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-13 Standard) to comply with 40 CFR Part 312 (the All Appropriate Inquiries [AAI] Rule), as further described in Attachments I through III. Services associated with completing the attached scope of work will be completed for a fixed fee (). We assume that access to the subject site will be made available during one business day. We assume that file review will include on-line files or electronically provided files only. Visits to regulatory offices will not be conducted.

Third Party Reliance

The Phase I Environmental Site Assessment report prepared by Haley & Aldrich is for the sole and exclusive use of WPT Industrial, LP. In the event WPT Industrial, LP lenders and each of their respective successors and assigns (Relying Parties) desire to rely on Haley & Aldrich's Phase I Environmental Site Assessment report, such Relying Parties must obtain Haley & Aldrich's prior written authorization and execute Haley & Aldrich's Reliance Letter.

User Responsibilities

A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the All Appropriate Inquiries (AAI) process in addition to meeting ongoing obligations. These user responsibilities are further described in Attachment I and in the User Responsibilities Questionnaire in Attachment II.

We request that you provide the information in the questionnaire to us. Though it is not required by the AAI Rule or the ASTM E 1527-13 Standard that this information be provided to Haley & Aldrich, failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

To meet the requirements of 40 CFR 312, a search for the existence of environmental liens, deed restrictions, engineering/institutional controls, activity and use limitations (AUL), etc., that are filed or recorded against the subject site must be conducted by the user. The scope of work included in Attachment I includes a search of those records as part of the database search, with the exception of a lien search. We understand that as part of your due diligence you will either engage a title company, real estate attorney, or title professional to undertake a review of reasonably ascertainable recorded records for environmental liens deed restrictions, engineering/institutional controls, AULs, etc., currently recorded against or relating to the subject site. If you would instead like us to include a lien search as part of our assessment, this can be conducted at additional cost.

Schedule

We will provide a draft copy of our Phase I Environmental Site Assessment report for your review before 28 January 2021 and a final report by 28 January 2021 pending receipt of a signed copy of this proposal.

Please note that responses to agency records requests may not be received within the above timeframe. We will supplement the report with the responses if they are received and contain information that would alter our conclusions.

Authorization

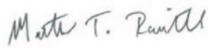
Consulting services will be provided in accordance with our "Standard Terms and Conditions" dated 2013 and the Limitations in Attachment III, which are integral to this proposal.

If the above arrangements are satisfactory to you, please indicate your approval by signing and returning one copy of this letter. When accepted by you, this proposal together with the attached Terms and Conditions and Limitations (Attachment III) will constitute our Agreement.

Closing

Thank you for inviting Haley & Aldrich to submit this proposal. We look forward to our association with you on the project. Should you have any questions regarding the proposal, please do not hesitate to contact us.

Sincerely yours,
HALEY & ALDRICH, INC.



Mathew T. Raitchel
Senior Technical Specialist



Scott P. Zachary
Principal Consultant

This proposal, and the attached "Standard Terms and Conditions, 2013" are understood and accepted:

WPT Industrial, LP

By _____
(authorized signature)

By _____
(print or type name)

Title _____

Date _____

Attachments:

Attachment I – Detailed Scope of Services, User Responsibilities

Attachment II – User Responsibilities Questionnaire

Attachment III – Haley & Aldrich Limitations

Standard Terms and Conditions, 2013

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Attachment I

ASTM E 1527-13 Phase I Environmental Site Assessment Standard Scope of Services & User Responsibilities

Scope of Services

The scope of services below summarizes Haley & Aldrich, Inc.'s proposed environmental professional services required to complete an environmental site assessment and "All Appropriate Inquiry" (AAI) for a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601), in accordance with 40 CFR Part 312.20 (All Appropriate Inquiries), to permit a user to satisfy one of the requirements to qualify for CERCLA's innocent landowner defense, contiguous property owner liability protection, or bona fide prospective purchaser liability protection (landowner liability protections or LLP).

Title 40, Part 312.11 of the Code of Federal Regulations provides that the procedures of ASTM International Standard E 1527-13 entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM E 1527-13) may be used to comply with the requirements of 40 CFR 312, AAI.

The goal of ASTM E 1527-13 is to assess whether recognized environmental conditions (REC) exist at the subject site. REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

Accordingly, the five core components of Haley & Aldrich's standard scope of services, performed in accordance with ASTM E 1527-13, shall include:

1. Records Review – In accordance with ASTM E 1527-13, Haley & Aldrich will obtain and review reasonably ascertainable records that will help identify RECs in connection with the subject site.
2. Site Reconnaissance - Haley & Aldrich will visit the subject site to obtain information indicating the likelihood of identifying RECs in connection with the subject site. On the visit to the subject site, Haley & Aldrich will visually observe and document the subject site and the periphery of any structure(s) located on the subject site to the extent our view of the same is not obstructed. Additionally, Haley & Aldrich shall visually observe and document accessible components of the interior of any building located on the subject site. Conditions of adjoining properties will also be observed and documented from the subject site boundaries and/or public thoroughfares.
3. Interviews with Owners and Occupants - ASTM E 1527-13 requires that interviews be performed with a "key site manager" (a person with good knowledge of uses and physical characteristics of the subject site), as well as, past and present owners, operators, and occupants of the subject

site to obtain information indicating RECs in connection with the subject site. Please provide contact information for the “key site manager” so Haley & Aldrich can arrange a mutually convenient appointment to interview the key site manager. We also ask that you advise all known past and present owners, operators, and occupants of our site visit so we may interview a number of them as required by ASTM E 1527-13. Lastly, in accordance with standard ASTM E 1527-13, we request that you arrange to have assembled and available to Haley & Aldrich, on the day of our subject site visit, or as soon as possible, copies of any previous environmental documents (user-provided information), including: environmental site assessment reports, environmental compliance audit reports, environmental permits, registrations for underground and above-ground storage tanks, registrations for injection systems, material data safety sheets, community right-to-know plan, safety plans, spill prevention plans, emergency preparedness plans, hydrogeologic reports for the subject site, any government notices concerning the subject site, hazardous waste records and reports, geotechnical studies, risk assessments, recorded Activity and Use Limitations (AUL), environmental land use restrictions (ELUR), or environmental liens.

4. Interviews with State and/or Local Government Officials – Haley & Aldrich shall reasonably attempt to interview applicable state and/or local government officials to obtain information indicating RECs in connection with the subject site.
5. Evaluation and Report - Haley & Aldrich will interpret the information and data assembled from work scope items No. 1 through No. 4 above, and will formulate conclusions regarding evidence of RECs at the subject site and their potential impact on the subject site. We will prepare a report in accordance with the format set forth in ASTM E 1527-13 unless otherwise directed. The report will generally include a summary, introduction, site description, records, site and interview documentation, supporting documents, findings, conclusions, recommendations, and appropriate professional statements as required by ASTM E 1527-13.

User Responsibilities

A user seeking protection from CERCLA liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-13 Standard.

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- whether the user has determined that the subject site’s Title contains environmental liens or other information related to the environmental condition of the subject site, including engineering and institutional controls and AULs, as defined by ASTM;
- whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and

- whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We request that you provide this information to us. A copy of the User Responsibility Questionnaire is included in Attachment II. Though it is not required by the AAI Rule or the ASTM E 1527-13 Standard that this information be provided to Haley & Aldrich, failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

Attachment II

User Responsibilities Questionnaire All Appropriate Inquiries Under ASTM E1527-13

Date:

Subject Site Name:

Address:

Prepared By:

In order to qualify for one of the Landowner Liability Protections (LLP) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must conduct "All Appropriate Inquiry" (AAI), which includes consideration of the following information (if available). Though it is not required that this information be provided to the environmental professional for the completion of the ASTM E1527-13 Phase I Environmental Site Assessment, failure of the user to consider this information could result in a determination that AAI is not complete.

- (1.) Environmental cleanup liens that are filed or recorded against the subject site (40 CFR 312.25).**
Are you aware of any environmental cleanup liens against the subject site that are filed or recorded under federal, tribal, state, or local law? If yes, give a description and attach copies of the liens.

- (2.) Activity and land use limitations that are in place on the subject site or that have been filed or recorded in a registry (40 CFR 312.26).**
Are you aware of any Activity and Use Limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the subject site or have been filed or recorded in a registry under federal, tribal, state, or local law?

- (3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**
As the user of this Phase I Environmental Site Assessment do you have any specialized knowledge or experience related to the subject site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

- (4.) Relationship of the purchase price to the fair market value of the subject site if it were not contaminated (40 CFR 312.29).**
Does the purchase price being paid for this subject site reasonably reflect the market value of the subject site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject site?

(5.) Commonly known or reasonably ascertainable information about the subject site (40 CFR 312.30).

Are you aware of commonly known, or reasonably ascertainable information about the subject site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

- (a.) Do you know the past uses of the subject site?
- (b.) Do you know the specific chemicals that are present or once were present at the subject site?
- (c.) Do you know of spills or other chemical releases that have taken place at the subject site?
- (d.) Do you know of any environmental cleanups that have taken place at the subject site?

(6.) The degree of obviousness of the presence or likely presence of contamination at the subject site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of this Phase I Environmental Site Assessment, based on your knowledge and experience related to the subject site are there any obvious indicators that point to the presence or likely presence of contamination at the subject site?

Signature (User/Authorized Representative)

Title

Date

Attachment III

Haley & Aldrich, Inc. Limitations

Environmental site assessment (Phase I Environmental Site Assessment) reports prepared by Haley & Aldrich are for the sole and exclusive use of its Client. Haley & Aldrich represents that the Phase I Environmental Site Assessment was prepared in accordance with the ASTM International Standard E1527-13 entitled “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM E 1527-13). The findings, opinions, conclusions, and information contained in the ASTM E 1527-13 Phase I Environmental Site Assessment are limited to, and solely based upon, information reasonably ascertainable by Haley & Aldrich at the time the ASTM E1527-13 Phase I Environmental Site Assessment was completed.

All users of this ASTM E 1527-13 Phase I Environmental Site Assessment are bound to the terms and conditions and limitations contained in the accompanying Proposal, Terms and Conditions, and Limitations for this ASTM E 1527-13 Phase I Environmental Site Assessment. The findings, opinions, conclusions, and information contained in this report are based solely on the Scope of Services provided pursuant to the Proposal and its attachments and the information reasonably ascertainable by Haley & Aldrich at the time the ASTM E 1527-13 Phase I Environmental Site Assessment was completed. Haley & Aldrich has not performed any additional observations, investigations, studies, or other testing not specified in the Scope of Services. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Scope of Services.

This ASTM E 1527-13 Phase I Environmental Site Assessment is prepared for the exclusive use of Haley & Aldrich’s client in connection with the subject site for the purpose of assessing the potential or existing environmental contamination liabilities associated with the subject site. There are no intended beneficiaries other than Haley & Aldrich’s client. Haley & Aldrich shall owe no duty whatsoever to any other person or entity by issuing the ASTM E 1527-13 Phase I Environmental Site Assessment. Use of this ASTM E 1527-13 Phase I Environmental Site Assessment by any person or entity, including by Haley & Aldrich’s client, for a purpose other than for the purpose of assessing the potential or existing environmental contamination liabilities associated with the subject site is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the ASTM E 1527-13 Phase I Environmental Site Assessment is adequate for such other use. Use of this ASTM E 1527-13 Phase I Environmental Site Assessment by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person’s or entity’s sole risk and shall be without legal exposure or liability to Haley & Aldrich.

Haley & Aldrich may authorize third-party reliance on the ASTM E 1527-13 Phase I Environmental Site Assessment by providing reliance letters to third party(ies) provided that the third party(ies) agree: (1) to use the ASTM E 1527-13 Phase I Environmental Site Assessment only for the purpose of assessing the potential or existing environmental contamination liabilities associated with real property; (2) to be bound by the terms and conditions and limitations contained in the ASTM E1527-13 Phase I Environmental Site Assessment report and the proposal and its Attachments, Terms and Conditions, and Limitations; (3) to accept the form and substance of Haley & Aldrich’s reliance letter; and (4) to deliver to Haley & Aldrich a signed copy of a reliance letter by an authorized representative of the relying party, within thirty (30) days after said reliance letter is provided to the relying party, signifying the relying party’s acceptance of the aforementioned conditions. Upon Haley & Aldrich’s receipt of the signed

reliance letter by the relying party(ies), the relying party(ies) will be authorized to rely on Haley & Aldrich's ASTM E1527-13 Phase I Environmental Site Assessment for the limited purpose of identifying potential or existing environmental contamination liabilities associated with the subject site. The relying party(ies) agree(s) to bind each of its respective successors and assigns to the aforementioned Terms and Conditions.

This ASTM E 1527-13 Phase I Environmental Site Assessment reflects site conditions observed and described by records available to Haley & Aldrich as of the date of ASTM E 1527-13 Phase I Environmental Site Assessment preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the ASTM E 1527-13 Phase I Environmental Site Assessment. Accordingly, Haley & Aldrich's client and any other party to whom the ASTM E 1527-13 Phase I Environmental Site Assessment is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of ASTM E 1527-13 Phase I Environmental Site Assessment preparation. Haley & Aldrich makes no express or implied representation that the information contained in the ASTM E 1527-13 Phase I Environmental Site Assessment has continued viability after 180 days of the ASTM E 1527-13 Phase I Environmental Site Assessment's completion date, and any use or reliance on the ASTM E 1527-13 Phase I Environmental Site Assessment after 180 days of the ASTM E 1527-13 Phase I Environmental Site Assessment's completion date by Haley & Aldrich's client or any other authorized person or entity will be at that party's sole risk and without liability to Haley & Aldrich.

Notwithstanding anything contained herein, Haley & Aldrich shall not be liable for any claim or damage arising from environmental contamination liabilities that occurred on the subject site after the effective date of the ASTM E 1527-13 Phase I Environmental Site Assessment. Likewise, Haley & Aldrich shall not be liable for any existing or future property owner's failure to satisfy any continuing obligation for CERCLA liability protection or under the Federal Environmental Protection Agency's All Appropriate Inquiries rule.

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APPENDIX B

Previous Reports

Final Remedial Action Plan Wastefill Operable Unit

For A Portion of the Gardena Valley 1 & 2 Landfill

Los Angeles County Assessor's Parcel No. 7336-3-30

June 30, 1992

Prepared For:

London Pacific Investments, Inc.
1010 Crenshaw Boulevard, Suite 100
Torrance, California 90501

Prepared By:

BRYAN A. STIRRAT & ASSOCIATES, INC.
1360 Valley Vista Drive
Diamond Bar, California 91765
(714) 860-7777



**FINAL WASTEFILL OPERABLE UNIT
REMEDIAL ACTION PLAN
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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

INTRODUCTION

This Remedial Action Plan (RAP) has been prepared for the Gardena Valley 1 & 2 Landfill located in the City of Carson, California. The plan has been prepared for the Wastefill Operable Unit only. The investigations at the site have been separated into two operable units ("wastefill" and "groundwater") due to anomalies found during characterization of the groundwater beneath the site, which will require additional investigation. This RAP has been prepared pursuant to an April 18, 1989 Consent Agreement between the current site owner, London Pacific Investments (LPI), and the Department of Toxic Substances Control (DTSC). This RAP was developed by **Bryan A. Stirrat & Associates, Inc. (BAS)** on behalf of LPI. The plan describes the findings of the of the Wastefill Operable Unit Remedial Investigation (RI), Baseline Health Risk Assessment (HRA), and Feasibility Study (FS). It provides a detailed discussion of the methods and alternatives considered for remediation of the site, outlines the RAP elements, and estimates the cost of the proposed remedial action program. A separate RAP will be prepared if necessary, at a later date, which will discuss remediation of groundwater.

REMEDIAL INVESTIGATION

The media evaluated in the RI report included the cover soils, wastefill, landfill base, landfill leachate, surface water, gas stream, and ambient air. A summary of the findings presented in the RI investigation include the following:

o Landfill Cover Soil

The average thickness of the existing landfill cover is 5.52 feet with a surface area of 14.46 acres. Surface soil was found to be contaminated in localized areas with nine (9) priority pollutant metals (Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, and Zinc), Barium, (a California

Code of Regulations metal), DDT and its breakdown products, PCBs and two (2) semi-volatile organic compounds (diethylphthalate and di-n-butylphthalate). The metals, PCBs, and DDT were found in concentrations below their respective applicable or relevant and appropriate requirements (ARARs). A significant portion of the organic constituents detected in the surface soils were unidentifiable.

o Wastefill

The average thickness of refuse is 25.15 feet which represents a volume of 440,125 yd³. The wastefill was found to be contaminated with twelve (12) priority pollutant metals, Barium (a California Code of Regulations metal), DDT breakdown products, PCBs and 24 different semi-volatile organic compounds. A significant portion of the organic constituents detected in the wastefill were unidentifiable. Sampling for volatile organic compounds in the wastefill could not be done due to changes in drilling methods made for health and safety reasons. Due to these changes the gas stream and leachate sampling activity for volatile organic constituents was expanded. The expanded sampling included collection and analysis of additional gas stream samples from vapor wells and an analysis of the leachate found in three BAS vapor wells. The wastefill portion of this investigation is considered an approximate characterization due to the variabilities in composition, location, and methods of disposal and a lack of complete operational records for the site.

o Landfill Base

Depth of contamination in the soils beneath the landfill was not investigated below five (5) feet. This potential pathway of contaminants will be further evaluated in the Groundwater Operable Unit RI Report.

o Leachate

Based upon the liquid level measurements conducted at the site, the primary source of liquids within the vapor wells at the site appears to be infiltration of rainwater through the surface seals of the vapor wells, and not through the landfill cover. There were no free standing liquids or saturated areas found during the drilling operations.

o Gas Stream

In general, the analyses showed that methane concentrations were typical of a solid waste disposal site. In addition, the landfill gas is contaminated with at least 16 speciated volatile organic compounds. However, these identified compounds comprise only a small portion of the total non-methane organic compounds in the landfill gas. Off-site gas probes placed by the Los Angeles County Department of Public Works for the entire landfill show off-site gas migration at two locations adjacent to the portion of the landfill being investigated. Although the probes were only monitored for methane, there is a potential for VOCs to be present along with methane in the gas stream.

o Ambient Air

In general, the results of the 24-hour samples were inconclusive regarding upwind and downwind concentrations, due to changing windflow patterns. The results of the less than 24-hour samples indicated slightly higher concentrations in downwind samples as compared to upwind samples. Results of the integrated surface sampling indicated the presence of nine (9) volatile organic compounds.

BASELINE HEALTH RISK ASSESSMENT

The results of the HRA indicate that the primary health risks include an upperbound lifetime cancer risk of four in one million for an on-site trespasser, trespassing once a week onto the property, four hours per day, for a fifteen-year period, and a risk of three in one hundred million for an off-site resident located 100

feet away from the site through the inhalation exposure route. Fifty percent of the estimated risk for the trespasser is contributed by the ingestion of arsenic in cover soil (2E-06). It should be noted that the baseline HRA could only make quantitative health risk estimates based on identified (speciated) compounds in the landfill gas and cover soils, and that these comprise only a small portion of the organic constituents present in these media. Tentatively identified organic compounds in the cover soils and unspciated non-methane organics could potentially contributed to the total health risk posed by the site. In addition, the above sited risk estimates are partially based on calculated emission rates through the landfill cover. Using measured ambient air concentrations results in a greater risk estimate. However, these concentrations are to some degree influenced by existing background ambient air conditions. It should also be noted that lateral migration of landfill gas through soil and the potential subsequent health risks to off-site receptors were not evaluated in the baseline HRA.

The baseline HRA assumes conservatively that no remediation takes place at the site. Therefore, the two exposure scenarios used in the HRA are considered to be worst case since the site will be remediated and developed as specified in the Consent Agreement dated April 18, 1989, which was signed between LPI, Inc. and DTSC.

FEASIBILITY STUDY

The Feasibility Study (FS) identified and evaluated seven (7) remedial action alternatives, including the "No Action" alternative. All of the alternatives were carefully evaluated against the following EPA criteria: 1) protection of human health and the environment; 2) compliance with Applicable or Relevant and Appropriate Requirements (ARARs); 3) long-term effectiveness; 4) short-term effectiveness; 5) reduction of toxicity, mobility, or volume; 6) implementability; 7) cost; 8) community acceptance; and 9) state acceptance.

All of the alternatives, with the exception of the "No Action" alternative, involved the following elements: a landfill cover to prevent infiltration of surface water, a combined horizontal and vertical gas collection system, and a landfill gas flare. A comparison of alternatives was performed and each alternative was given an overall score based upon its performance against the evaluation criteria. In addition, each alternative was evaluated against site end-use concerns.

PREFERRED ALTERNATIVE

The preferred remedial action alternative includes the capping of the landfill with a multi-layer clay/asphalt cover, the collection of landfill gas with a combination horizontal and vertical gas collection system, and the destruction of organic components in the landfill gas through flaring. The estimated total capital cost for design and construction of this alternative is approximately \$2,000,000 to \$3,000,000, based on the availability of import soil/clay for the final cover. This corresponds to a unit cost of approximately \$3.25 per square foot, assuming that the soil/clay can be obtained at minimal cost. In comparison a common per square foot cost for construction of a parking area is \$2.30.

The cost for operation and maintenance of this alternative over a 30-year period, is estimated to be approximately \$65,000 per year. Annual costs are expected to be less than this amount in the early years increasing with time as the supplemental fuel requirements for the flare increase.

These estimates do not include costs for certain design elements related to site development. Most notably, they do not include the cost of caissons to support future on-site buildings. A complete description of the preferred alternative and the cost estimate for this alternative are included in Section 5.0 of this report.

A preliminary project schedule has been developed for the RAP. It is estimated that the project can move from start of design to completion of construction in approximately 42 weeks. This includes obtaining all applicable permits and approvals, preparation of necessary RFPs and contracts, mobilization of subcontractors, and construction of the cover, gas collection systems, and flare.

SECTION 1.0
INTRODUCTION

1.0 INTRODUCTION

1.1 PURPOSE

The purpose of this Remedial Action Plan (RAP) is to compile and summarize site data gathered from the Remedial Investigation (RI), Health Risk Assessment (HRA) and the Feasibility Study (FS), in order to identify, and subsequently design, plan, and implement a final remedial action for the Gardena Valley 1 & 2 Landfill in the City of Carson.

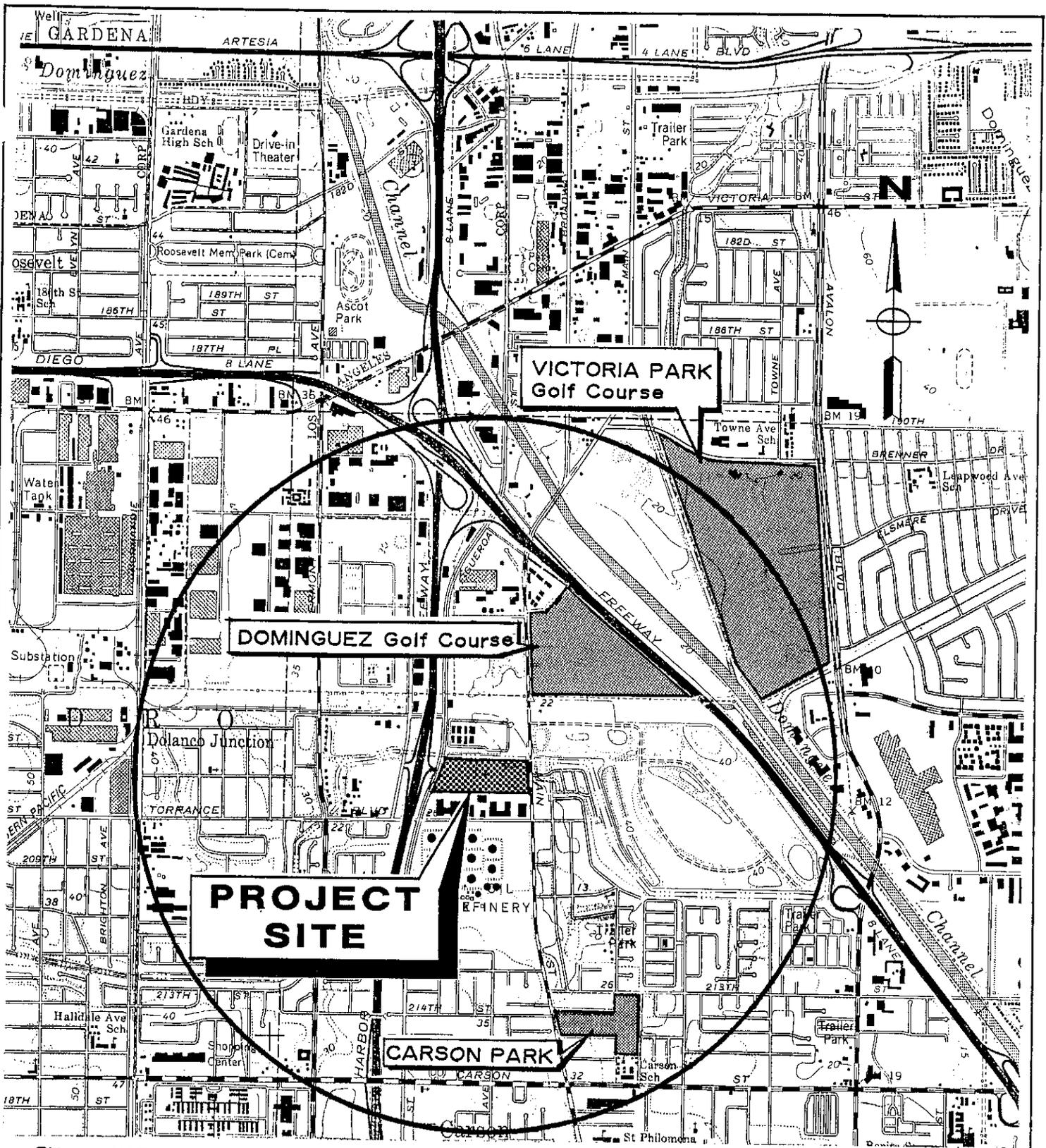
This RAP is not intended to contain specific engineering design details of the proposed cleanup option. However, it does describe the selected and rejected options to the extent that the interested public, other government agencies, and potentially responsible parties (PRPs) are given a meaningful opportunity to provide the Department of Toxic Substances Control (DTSC) with opinion and comments.

1.2 SITE BACKGROUND

1.2.1 SITE DESCRIPTION

The project site is located on a portion of the former Gardena Valley 1 & 2 Landfill, the City of Carson, California. It consists of an undeveloped parcel of land located between Main Street, Figueroa Street, the El Camino Plaza, and the Torrance Lateral to the Dominguez Flood Control Channel (Figure 1-1). The site is identified as Assessor's Parcel No. 7336-3-30, being Parcel 4 of Map 5616, Book 62, Page 68 of the County of Los Angeles. Several inactive landfills are located in the vicinity of the site (Figure 1-2).

An aerial survey has been performed on the site. From the aerial survey data it has been determined that the project site includes approximately 14.46 acres of a former 28.7 acre landfill. A parking lot adjacent to the site, across the south property line, also covers a portion of the landfill and it contains approximately 3.56 acres. This parking lot services the El Camino Plaza. The portion of the landfill to the north of the Torrance lateral has been paved and is currently



REFERENCE : BASE MAP FROM " U.S.G.S. TORRANCE QUADRANGLE
 , CALIFORNIA, LOS ANGELES COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC).

 NEARBY RECREATIONAL FACILITIES.

SCALE : 1 INCH = 2,000 FEET

FIGURE 2 - 2

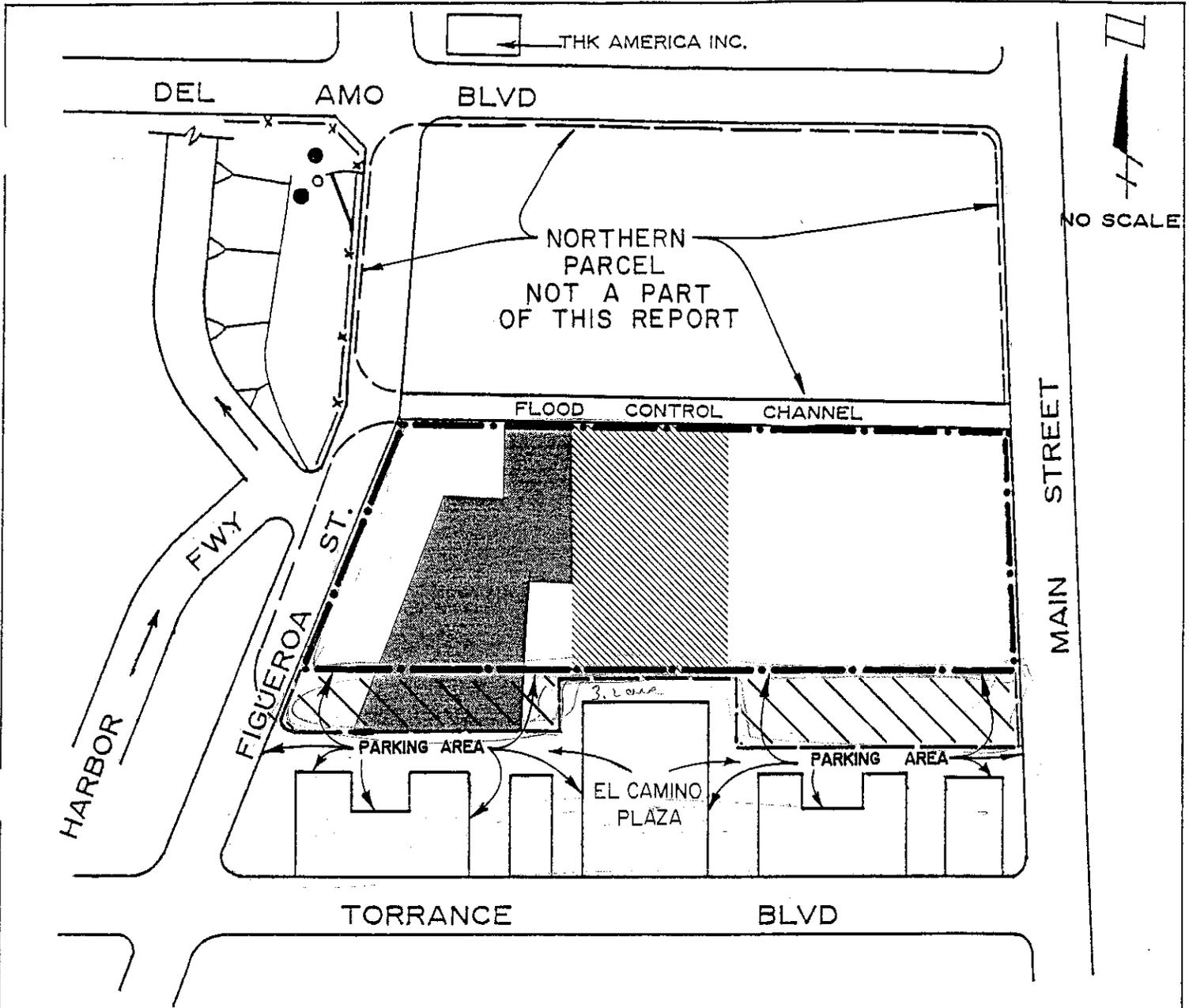


[714] 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**GARDENA VALLEY I & 2
 RECREATIONAL FACILITIES
 WITHIN A ONE-MILE RADIUS**

| |
|-----------------------|
| JOB NO. 90102-8100 |
| DATE JUNE 1991 |
| DRAWN BY: PTN |
| CHECKED BY: TGA |



LEGEND

- PROJECT BOUNDARY
- - - ESTIMATED ORIGINAL LANDFILL BOUNDARY (B.A.S., 1990)
- COMPLETED NOV /56 - OCT /58
- ▨ COMPLETED OCT /58 - FEB /59
- ▩ COMPLETED FEB /59 - OCT /59
- ▧ SOUTHERN PARCEL (INCLUDED IN THIS REPORT)

FIGURE 1 - 1



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1380 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GARDENA VALLEY 1 AND 2

LOCATION MAP

| | |
|-------------|--------|
| JOB NO. | 9174 |
| DATE | 6-1989 |
| DRAWN BY: | PTN |
| CHECKED BY: | TGA |

being used for a mini-storage business. Presently, there are no containment structures, leachate or gas collection control or removal systems, or drainage control facilities on the site.

1.2.2 SITE HISTORY

The Gardena Valley 1 & 2 Landfill was authorized to operate as a Class II waste disposal facility under an Industrial Waste Disposal Permit issued by the County of Los Angeles. Based upon the County Department of Public Works' (DPW) records, operations began in November, 1956, and ceased in October, 1959. The portion of the landfill within the scope of this investigation was designed to be a cut and fill operation with an original design capacity of 574,235 yds³ of trash and two (2) feet of specified final cover (52,025 yds³). DPW records indicate that the pattern of landfill utilization was from the east to the west.

Permitted wastes included combustible and noncombustible rubbish, mixed garbage, construction refuse, insoluble solid industrial wastes, solid fill, and "a few specified innocuous industrial wastes and sludges". Hog waste was included by special consideration. Industrial liquid wastes, sludges and water-soluble solids were specifically excluded. The permit conditions specified that waste materials accepted by the site must be at least of 75 percent residential waste and 25 percent "other wastes." These other wastes were predominantly construction rubble and refuse. As the filling proceeded to the west, a larger portion of the 25 percent "other wastes" consisted of insoluble solid industrial waste. Landfill permit conditions also required that a ratio of one part clean soil to three parts waste material would be maintained.

The exact quantities and types of wastes disposed of are unknown. However, the following materials were specifically permitted for disposal at the Gardena Valley 1 & 2 by the Los Angeles Regional Water Quality Control Board under Resolution No.58-26.

- o Solid ordinary household wastes
- o Semi-liquids (10 gallon/yd³)
- o Rotary drill mud and crude oil tank bottoms
- o Drill crude

- o Unrefined petroleum tank cleanings
- o Paint sludge and dry paint in drums
- o Acetylene sludge
- o Auto wash sludge
- o Laundry sludge
- o Latex
- o Lime and soda water
- o Molasses
- o Cutting oil containing small amounts of hydrocarbon
- o Certain semi-liquid wastes on a case-by-case basis

It is estimated that over its years of operation, the entire Gardena Valley 1 & 2 Landfill received approximately 938,250 cubic yards of waste. Approximately 440,125 cubic yards are estimated to have been placed in that portion of the landfill being investigated. The portion of the landfill south of the flood control channel is estimated to contain approximately 108,337 cubic yards of solid waste material. These estimates assume a permitted 3:1 ratio of solid waste to clean soil material in the determining of actual waste quantities received.

Since 1983, several investigations have been performed at the site. Based upon these previous assessments, it was determined that the landfill, is covered by a soil cap approximately 5 feet thick.

The site has been considered for commercial development since 1963. Other portions of the former landfill, to the north across the Torrance Lateral and to the south of the property line, have been developed. In 1980, the City of Carson requested DTSC to evaluate the site and to determine if it is a hazardous waste property as defined in the Health and Safety Code, Chapter 6.5., Article 11. The site was owned at that time by R.A. and Nadine I. Watt, Equitable Savings, and Ross P. and Jeannette McDaniel. In 1985, the site was purchased by Jules Walder of London Pacific Investments, Inc. (LPI). Neither Jules Walder nor LPI was responsible for the placement of any waste materials in the landfill. On April 18, 1989, LPI entered into a Consent Agreement with

the Department of Health Services. The objectives of this Consent Agreement were to ensure that any release or threatened release of contaminants was thoroughly investigated, that the appropriate remedial actions are taken, and that any proposed development of the land is conducted in a manner that ensures public health and safety and protects the environment.

In accordance with this Consent Agreement, a **Remedial Investigation/ Feasibility Study (RI/FS)** Workplan was prepared by **Bryan A. Stirrat & Associates, Inc. (BAS)** outlining all tasks to be completed in order to determine the nature and extent of contamination at the site, and to collect all necessary data to support a comprehensive Health Risk Assessment (HRA) and Feasibility Study (FS). The RI/FS Workplan was submitted to DTSC for review and comment on June 1, 1989, and was finally approved on December 28, 1989.

Following approval of the RI/FS Workplan, the mobilization and field activities were initiated on January 10, 1990. To date, all elements of the December 28, 1989 Final (RI/FS) Workplan have been completed. On April 18, 1990, an Interim Report was submitted which provided the preliminary findings of the wastefill and hydrogeologic characterization. Due to anomalies encountered in the hydrogeologic portion of the RI, supplemental workplans were prepared and submitted to DTSC and additional groundwater monitoring wells were installed on the site. A post-interim report was submitted on August 8, 1990, which reported the progress of the hydrogeologic investigation. Currently, field work is still progressing and is scheduled for completion in January, 1991.

Due to delays encountered in the hydrogeologic portion of the investigation and the need to address gas migration problems associated with the wastefill and infiltration of water into the landfill, the Department approved a division of the project into two separate "**operable units**". The two operable units are "Wastefill" and "Groundwater" and will be addressed as separate programs. The use of two operable units will not affect the ultimate remedial alternatives due to the fact that the remedial measures for groundwater, if required, will be placed outside of that portion of the landfill being investigated for wastefill.

As a result of this division, new schedules and documents associated with the two units have been developed. This RAP report is intended to address only those elements related to the Wastefill Operable Unit.

SECTION 2.0

SUMMARY OF REMEDIAL INVESTIGATION FINDINGS

2.0 SUMMARY OF REMEDIAL INVESTIGATION FINDINGS

The Wastefill Operable Unit Remedial Investigation (RI) study consisted of a detailed characterization of the nature and extent of contamination found in the cover soil, wastefill, landfill base soils, leachate, landfill gas, and ambient air at the site. The complete RI study results are included in the RI Report, Volume I. The site and contaminant characterizations were accomplished through the extensive sampling and analysis of each of the media involved. All sampling and analyses performed for the RI was conducted in accordance with a carefully controlled sampling plan approved by DTSC. (This plan is included in the RI Report, Volume II). In addition, data from the previous investigations at the site was used extensively in this investigation. Most notably, the data collected by BCL Associates was used in the characterization of the landfill cover soils and wastefill. Use of data from previous investigations was done only where that data could be validated.

The objectives of the RI for the Wastefill Operable Unit (herein after referred to as the **Wastefill RI**) were to:

- o Determine the nature and extent of contamination, if any, in the air, soil, and surface water;
- o Identify all existing and potential contaminant migration pathways, including the direction, rate, and dispersion of contaminant migration;
- o Identify potential remedial actions to be analyzed in the FS and gather sufficient data to support the study of those potential actions; and
- o Validate past results and expand on previous investigations, where appropriate, including chemical analyses and physical dimensions.

Following the site characterization, a detailed Health Risk Assessment (HRA) was performed for all of the contaminants detected in these media, relating them to relevant exposure pathways. The complete Health Risk Assessment is included in the RI Report, Volume III and has been summarized in Section 3.0 of this report.

2.1 PHYSICAL CHARACTERISTICS OF THE STUDY AREA

2.1.1 GEOGRAPHIC SETTING

The subject property is located in the City of Carson, which lies within the Torrance Plain of Los Angeles County. Los Angeles County is bounded by Ventura County on the northwest, Kern County on the north, San Bernardino County on the east, Orange County on the southeast, and approximately 60 miles of coastline on the southwest and south.

Major physiographic features of the area include: the El Segundo Sand Hills to the west, Palos Verdes Hills to the southwest, Dominguez Hill to the northeast and Dominguez Gap to the east. (Refer to Figure 2-1).

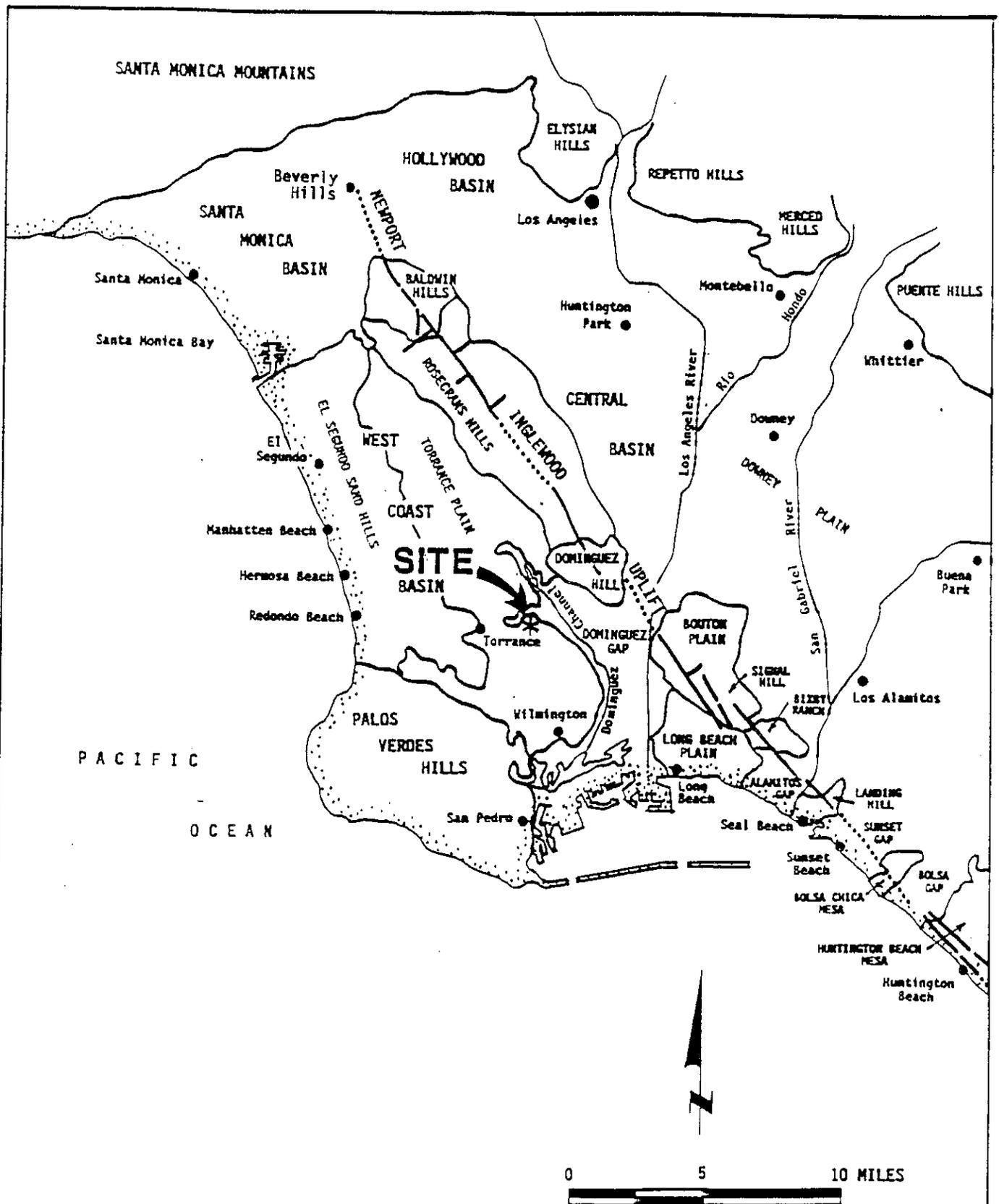
2.1.2 LAND USE/ZONING

The subject property is located in the western portion of the City of Carson. Within a one mile radius of the site there now exists two major freeways, two refineries and several other industrial operations (U.S.G.S, 1981). In addition, there are several residential areas located immediately east and southeast of the site as well as to the west beyond the Harbor Freeway.

The residences closest to the landfill property are located in a mobile home park, approximately 100 feet east of the site, and a housing development, which is approximately 330 feet to the southeast. Included in these areas are three schools, two of them are located approximately 4,000 feet from the site, and the third, approximately 2,000 feet from the site.

Various commercial business are located immediately adjacent to the south side of the landfill and in the surrounding area. The Rebel Mini Storage facility was constructed on a portion of the Gardena Valley 1 & 2 landfill, and is located north of the subject site.

The closest industrial facility was a former refinery located south of the subject site across Torrance Boulevard. This refinery has now been closed and demolished.



MODIFIED FROM THOMAS, ET AL., 1961

| | | |
|---|---|-------------|
|  BRYAN A. STIRSAT & ASSOCIATES CONSULTING CIVIL & ENVIRONMENTAL ENGINEERS | GARDENA VALLEY 1 & 2 LANDFILL PHYSIOGRAPHIC FEATURES AND GROUND-WATER BASINS, COASTAL PLAIN OF THE LOS ANGELES COUNTY, LOS ANGELES | JOB NO. |
| | | DATE |
| | | DRAWN BY: |
| | | CHECKED BY: |

FIGURE 2-1

Recreational facilities within a one mile radius of the site include the Dominguez and Victoria Golf courses and Carson Park (Figure 2-2).

The present zoning designation for the subject site is ML-ORL, Light Manufacturing, Organic Refuse Landfill.

2.1.3 GEOLOGY

The Gardena Valley 1 & 2 Landfill is located within the West Coast Basin of the Pacific Coastal Plain in Los Angeles County, California. Specifically, the site is situated on the Torrance Plain within the West Coast Basin. The site is bordered on the north and east by a finger of the Dominguez Erosional Gap (Figure 2-1).

A previous regional study (Thomas et. al., 1961) indicates that the site rests on sediments of the late Pleistocene Upper Lakewood Formation. The upper portion of the Lakewood Formation is comprised of mainly fine grained materials such as silts, silty sands, and clays with discontinuous sandy zones. Borings drilled during this investigation and previous site studies indicate alternating layers of silt, clay, clayey sand, silty sand, and sand to approximately 93-feet below ground surface, correlating with the predicted lithology of the upper Lakewood Formation. A relatively clean, poorly graded, fine sand was encountered at approximately 93-feet, extends down to a thickness of approximately 140 feet, and becomes interbedded with layers of silty sand, clayey sand, silt and clay to the southeast. The bottom of this is interpreted as being the bottom of the Lakewood Formation.

Underlying the Lakewood Formation unconformably is the lower Pleistocene San Pedro Formation, which consists of stratified unconsolidated sand with some interbeds of fine gravel, salty sand and salt, and is thought to be primarily of marine origin. The formation is estimated to extend to a depth of approximately 1050-feet in the vicinity of the Gardena Valley 1 & 2 Landfill site.

**TABLE 2-1
SUMMARY OF SOIL/WASTE FILL ANALYSIS (d)
(BAS AND BCL)**

Page 1 of 2

| COMPOUND (a) | AVERAGE CONCENTRATION (mg/Kg) (c) | | | | |
|--|-----------------------------------|---------------|--------------------|------------------|------------------|
| | SURFACE SOIL | WASTE FILL | LANDFILL BASE | | |
| | | | 1.5 FT. BELOW FILL | 2 FT. BELOW FILL | 5 FT. BELOW FILL |
| TOTAL PRIORITY POLLUTANT METALS | | | | | |
| Antimony | ND | 3.19 | ND | ND | ND |
| Arsenic | 22 | 19 | 8.7 | 20.1 | 15.9 |
| Barium | 330 | 212 | ND | ND | ND |
| Beryllium | 0.76 | ND | ND | ND | NC |
| Cadmium | 0.57 | NC | ND | NC | NC |
| Chromium (Total) | 34 | 57 | NC | NC | NC |
| Copper | 54 | 178 | NC | NC | NC |
| Lead | 57 | 158 | NC | NC | NC |
| Mercury | 1.74 | 2 | ND | ND | ND |
| Nickel | 17 | 26 | NC | NC | NC |
| Selenium | ND | 12.7 | ND | ND | ND |
| Silver | ND | 2.17 | ND | ND | ND |
| Thallium | ND | 1.95 | ND | ND | ND |
| Zinc | 110 | 664 | NC | NC | NC |
| PESTICIDES/PCBS | | | | | |
| O,P' - DDD | 1.28 | 0.06 | ND | ND | ND |
| P,P' - DDD | 0.95 | 0.11 | ND | ND | ND |
| O,P' - DDE | 2.20 | ND | ND | ND | ND |
| O,P' - DDT | 1.89 | ND | ND | ND | ND |
| P, P' - DDT | 3.46 | ND | ND | ND | ND |
| Aroclor 1016 | ND | 0.62 | ND | ND | ND |
| Aroclor 1242 | ND | 0.69 | ND | ND | ND |
| Aroclor 1248 | ND | 1.17 | ND | ND | ND |
| Aroclor 1254 | 3.83 | 3.04 | ND | 0.11 | ND |
| Aroclor 1260 | 3.82 | 0.81 | ND | ND | ND |
| Chlordane | 3.67 | ND | ND | ND | ND |
| SEMI-VOLATILE ORGANICS | | | | | |
| 1,2-Dichlorobenzene | ND | 0.81 | ND | ND | ND |
| 1,3-Dichlorobenzene | ND | 1.30 | ND | ND | ND |
| 1,4-Dichlorobenzene | ND | 32.9 | ND | ND | ND |
| Diethyl Phthalate | 2.47 | 3.44 | ND | ND | ND |
| Di-n-Butyl Phthalate | 2.11 | 7.30 | ND | ND | ND |
| Butyl Benzyl Phthalate | ND | 0.74 | ND | 0.31 | ND |
| Bis-(2-Ethylhexyl) Phthalate | ND | 10.3 | ND | ND | ND |
| Naphthalene | ND | 1.33 | ND | 0.25 | ND |
| 2-Methylnaphthalene | ND | 0.76 | ND | 0.18 | ND |
| Dibenzofuran | ND | 2.7 | ND | ND | ND |
| Phenol | ND | 12.0 | ND | ND | ND |
| 2,4-Dimethyl Phenol | ND | T | ND | ND | ND |
| 2-Methylphenol | ND | 0.66 | ND | ND | ND |
| 4-Methylphenol | ND | 9.66 | T | ND | ND |
| 4-Nitrophenol | ND | 4.68 | ND | ND | ND |
| Acenaphthene | ND | 2.88 | ND | T | ND |

The San Pedro Formation unconformably rests on the Upper Pliocene Pico Formation. The upper member of the Pico Formation is generally composed of sand, silt, and clay of marine origin interbedded with marine gravels (Thomas et al., 1961). This member is separated from the middle and lower members of the formation by an unconformity. The middle and lower members consist of siltstone and fine to coarse sandstone interbedded with claystone and shale. The Pico Formation is thought to be the deepest unit to yield water suitable for municipal use in the area of investigation and is, therefore, the oldest unit addressed in the RI report.

2.1.4 HYDROGEOLOGY

Based upon information obtained from perimeter wells, the depth from the ground surface to groundwater ranges from 46.73 to 54.52 feet. The direction of groundwater flow is currently being investigated as part of the Groundwater Operable Unit Remedial Investigation.

2.1.5 CLIMATIC CONDITIONS

The portion of Gardena Valley 1 & 2 Landfill, which is the subject of these investigations, is located in the southwestern corner of the meteorological unit known as the South Coast Air Basin. The prevailing windflow patterns in the region are generally characterized by strong onshore sea breezes during the daylight hours, and weak, offshore drainage conditions prevailing during the late evening and early morning hours. These onshore and offshore windflow patterns are subject to frequent seasonal and temporal differences.

Data collected by the South Coast Air Quality Management District (SCAQMD) at a trailer park situated on the southern border of the Cal Compact Landfill (immediately east of the subject site) provides the basis for site-specific meteorological conditions (wind speed and direction) for the Gardena Valley 1 & 2 Landfill. These are as follows:

**TABLE 2-2
SUMMARY OF VAPOR WELL
LEACHATE ANALYSIS**

| PARAMETER | SAMPLE LOCATION | | | | | |
|---------------------------------------|-----------------|-----------|---------|---------|---------|---------|
| | GVW-2 | GVW-1 | GVW-3 | TRIP | GVW-4 | GVW-2 |
| | 6/11/90 | 6/11/90 | 6/11/90 | 6/11/90 | 7/12/90 | 7/12/90 |
| GENERAL MINERALS (mg/L) | | | | | | |
| Bicarbonate as CaCO ₃ | 670.00 | NA | 786.00 | NA | NA | NA |
| Total Alkalinity as CaCO ₃ | 670.00 | NA | 786.00 | NA | NA | NA |
| Cation/Anion Balance | 0.83 | NA | 1.08 | NA | NA | NA |
| Chloride | 120.00 | NA | 167.00 | NA | NA | NA |
| Conductivity, umhos/cm | 1550.00 | NA | 1750.00 | NA | NA | NA |
| Nitrate as Nitrogen | 0.10 | NA | ND | NA | NA | NA |
| pH | 6.83 | NA | 7.11 | NA | NA | NA |
| Total Dissolved Solids | 916.00 | NA | 1360.00 | NA | NA | NA |
| CCR METALS (ug/L) | | | | | | |
| Barium | 0.08 | N/A | 0.09 | NA | NA | NA |
| Calcium | 5.1 | N/A | 15.1 | NA | NA | NA |
| Copper | ND | N/A | 0.08 | NA | NA | NA |
| Iron | ND | N/A | 175 | NA | NA | NA |
| Hardness | 78 | N/A | 100 | NA | NA | NA |
| Potassium | 28.3 | N/A | 9.9 | NA | NA | NA |
| Magnesium | 13.7 | N/A | 15.2 | NA | NA | NA |
| Manganese | 0.19 | N/A | 1.8 | NA | NA | NA |
| Sodium | 273 | N/A | 235 | NA | NA | NA |
| Lead | 0.012 | N/A | ND | NA | NA | NA |
| Zinc | 0.05 | N/A | 0.12 | NA | NA | NA |
| SEMI-VOLATILE ORGANICS (ug/L) | | | | | | |
| Phenol | ND | ND | 23 | NA | NA | NA |
| 1,4-Dichlorobenzene | TR < 10 | 41 | ND | NA | NA | NA |
| Isophorone | 19 | ND | ND | NA | NA | NA |
| Benzoic Acid | TR < 50 | ND | ND | NA | NA | NA |
| Naphthalene | ND | 37 | 26 | NA | NA | NA |
| 2-Methylnaphthalene | ND | 10 | ND | NA | NA | NA |
| Diethylphthalate | ND | TR < 10 | ND | NA | NA | NA |
| VOLATILE ORGANICS (ug/L) | | | | | | |
| Vinyl Chloride | 2 | ND | ND | ND | ND | ND |
| Chloroethane | 15 | ND | ND | ND | ND | ND |
| Acetone | ND | TR < 1600 | 1300 | ND | 2100 | ND |
| 1, 1-Dichloroethane | 8 | ND | ND | ND | ND | 10 |
| 1,2-Dichloroethene (Total) | 2 | ND | ND | ND | ND | ND |
| 1, 2-Dichloroethane | 2 | ND | ND | ND | ND | ND |
| 2-Butanone (MEK) | ND | 10000 | 1900 | ND | 2300 | ND |
| Benzene | 9 | ND | ND | ND | TR < 10 | 10 |
| 4-Methyl-2-Pentanone (MIBK) | ND | TR < 800 | 1700 | ND | 630 | ND |
| Toluene | 13 | 750 | 140 | ND | 40 | ND |
| Ethyl Benzene | ND | 180 | 73 | ND | 30 | ND |
| Total Xylenes | 36 | 350 | 210 | ND | 22 | ND |

(GVRAP:90102-8500:TBL2-2.8-14-91)

NA - Not Analyzed

ND - Not Detected

- o The seasonal windflow patterns which prevail at the site, generally range from a southerly direction in the daytime hours (the start of the sea breeze) to a west and west-northwest direction during the late morning, afternoon, and early evening hours, with wind speeds ranging on average from 7 to 10 mph.
- o Early morning and night time drainage winds generally range from the north-northwest through northeast and east, with wind speeds ranging from 1 to 5 mph on average.

BAS has conducted a study to obtain site-specific meteorological data at the Gardena Valley 1 & 2 Landfill area as part of the ambient air monitoring program. Data from this study was used to identify and characterize emissions from the landfill for the RI and the Air Quality SWAT prepared for the South Coast Air Quality Management District. Results of the study indicate an average 24-hour wind speed of 6.56 mph (2.93 m/s) during the ambient air monitoring activities conducted on August 4 through 7, 1990.

2.1.6 ECOLOGICAL CHARACTERISTICS OF THE SITE

The Gardena Valley 1 & 2 Landfill is situated in the City of Carson, close to its boundary with the City of Torrance.

The City of Carson General Plan, prepared by the City's Planning Division, describes the natural environment of the City as follows (City of Carson, 1982, Pg. 16):

- o Carson has no rivers, bays, estuaries, coastal beaches, lakeshores or watersheds.
- o Carson has no forests, rangelands, lakes, or water areas for commercial fisheries.
- o Carson has no areas of outstanding scenic or cultural value, no areas serving as links between major recreation and open space reservations and no scenic highway corridors.

The site is currently undeveloped, and is populated by grasses and other indigenous weed species. It may, therefore, support some wildlife common to undeveloped land in the area, such as valley pocket gophers, cottontails, gopher snakes, ground squirrels, skunks, and opossums (City of Torrance, 1990). These animal and plant species are common to Southern California, and since none are endangered, threatened, or have any other regulatory status, they are not considered sensitive species (CDFG, 1990). A chain-link fence which surrounds the site is likely to keep out large terrestrial animals, such as red foxes and coyotes, which may inhabit the area. Certain mobile organisms, such as birds, may visit the site for foraging purposes. These could include several raptor species (birds-of-prey) found in the area, such as the red-tailed hawk, kestrel, red-shouldered hawk, and Cooper's hawk (City of Torrance, 1990). Raptors are considered sensitive species, and several, including the Cooper's hawk, are State of California Species of Special Concern, indicating that although they are not protected by either federal or state legislation, their limited occurrence in the state is of some concern to the California Department of Fish and Game (CDFG, 1990).

Chlordane, DDT and its congeners, and PCBs have all been detected in the landfill soil cover. Although these chemicals are potential ecological hazards, none of them occurs in the surface soils at significant concentrations to pose a biological hazard. The average concentrations of the pesticides and PCBs detected in the soil cover are as follows: Chlordane = 3.67mg/kg mg/kg; and Aroclor 1254 - 1260 (PCBs) = 3.83 mg/kg; DDT (and breakdown products) = 1.96 mg/kg. Data tables summarizing specific analyses results can be found in the RI report, Section 5.0 and Appendix C.

As described above, the site may support populations of indigenous weed species, grasses, and small mammals common to undeveloped land in Southern California. Any wildlife inhabiting the site is likely to be disturbed more by the planned remediation activities and future site development rather than by any exposure to waste materials that would be present at the site assuming a "No Action" scenario. Raptors and other animals visiting the property are not considered to be at risk from landfill materials since they only temporarily visit the site. Consequently, their level of potential exposure to any on-site materials

is low. Known bioaccumulative and ecotoxic substances, such as chlordane, DDT, and PCBs, have been detected in the landfill soil cover, although at very low levels. There are no known endangered, threatened, or rare species or habitats occurring at or in the vicinity of the site. It is our opinion, therefore, that since no endangered, threatened, or rare species or habitats, significant wildlife populations, or significant quantities of ecotoxic chemicals are present at or around the site, an ecological risk assessment is **not necessary** for the potentially impacted study area.

2.2 NATURE AND EXTENT OF CONTAMINATION

The summary of the RI findings derived from both **BAS** and **BCL** data, are presented in the following sections. A summary of the average concentration for the **BAS** and **BCL** data is included as Table 2-1. The minimum detection limits for samples with no detections were used in the calculation of averages. Tables delineating the statistical information used to generate this table have been included as Appendix B to this report.

2.2.1 LANDFILL COVER SOIL

The measured thickness of the cover soil varies across the site from 10 feet to 1.5 feet with an average of 5.52 feet in thickness. The soil generally consists of an olive gray to dark yellowish brown clayey silt and silt with little or no plasticity and stiff consistency. Drainage patterns are shown in Figure 2-3. Sample locations used for the Wastefill RI are shown in Figure 2-4.

Surface soil was found to be contaminated in localized areas with nine (9) priority pollutant metals, (arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, and zinc), barium (a California Code of Regulations Metal), DDT and its breakdown products, PCBs, and two semi-volatile organic compounds (diethylphthalate and di-n-butyl phthalate). A significant portion of the organic constituents detected in the surface soils were unidentifiable.

DDT and its breakdown products were found at the following six locations¹ : SB-1/V-1 (0.38 mg/kg), SB-4/V-14 (125 mg/kg), SS-2 (1.35 mg/kg), SS-3 (0.63 mg/kg), S-4 (2.45 mg/kg), and V-8 (0.065 mg/kg).

PCBs were found at the following locations² : SS-2 (1.4 mg/kg), SS-3 (1.57 mg/kg), and V-12 (1.65 mg/kg).

Semi-volatile organics were detected at locations SB-1/V-1 (0.53 mg/kg di-n-butyl phthalate), SB-3/V-7 (1.7 mg/kg di-n-butyl phthalate and 0.6 mg/kg diethyl phthalate), SB-4/V-14 (0.67 mg/kg di-n-butyl phthalate), and V-12 (20 mg/kg di-n-butyl phthalate).

2.2.2 WASTEFILL

Refuse was deposited from east to west across the landfill. Figure 2-4 shows the current estimation of the landfill limits. The measured thickness of refuse varies across the site from 15 feet to 33.5 feet with an average thickness of 25.15 feet. The calculated volume of refuse disposed is 440,125 yd³.

The wastefill was found to be contaminated with twelve (12) priority pollutant metals (antimony, arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc), Barium (a California Code of Regulations Metal), DDT breakdown products, PCBs, and 24 different semi-volatile organic compounds. Average concentrations of these contaminants are shown in Table 2-1. A significant portion of the organic constituents detected in the wastefill were unidentifiable.

This investigation was considered to be an **approximate characterization** of the conditions at the Gardena Valley 1 & 2 Landfill due to the variabilities in the composition and nature of the disposal materials, the location and methods of disposal, and the lack of complete operational records.

¹ The values shown are the cumulative totals for detected concentrations of DDT and its breakdown products at each location.

² The values shown are the cumulative totals for concentrations of all detected PCB compounds at each location.

In addition, due to the high methane concentrations encountered in the landfill, an air rotary drill rig was used for wastefill boring placement to mitigate health and safety concerns associated with high methane concentrations. As a result, volatile and semi-volatile analyses could not be done on the wastefill samples. The landfill base samples for these analyses may also have been impacted by the air injection of the drilling process. DTSC was informed and approved of the drill rig change as well as the change in laboratory analyses protocols.

Further discussions regarding the approach to characterization, given the health and safety limitations, were held between BAS and DTSC staff after the Interim Report was submitted. As a result of these discussions, additional vapor well sampling and leachate sampling have been completed in order to obtain additional data. Results of these analyses have been included in Sections 2.2.4 and 2.2.5.

The combined BAS and BCL wastefill characterization data regarding metals, pesticides, PCBs, and SVOCs, and the additional gas stream and leachate analyses shall be used in the risk assessment for the groundwater operable unit.

2.2.3 LANDFILL BASE

At 1.5 feet below the base of the landfill, the soil was found to be contaminated with arsenic, 5 semi-volatile organics, (4-methyl phenol, benzoic acid, phenanthrene, fluoranthene, and pyrene), and 2 volatile organics (ethylbenzene and total xylenes). At two feet beneath the base of the landfill, the soil was found to be contaminated with arsenic, PCBs, and 7 semi-volatile organics (butyl benzyl phthalate, naphthalene, 2-methylnaphthalene, acenaphthene, fluorene, anthracene, fluoranthene, phenanthrene, and pyrene). At five feet below the base of the landfill, the soil was found to contain arsenic only.

The overall objectives and purposes of drilling to the base of the landfill and collecting samples of the underlying soil were twofold:

- o To verify the existing data regarding the depth of the landfill.

TABLE 2-1
SUMMARY OF SOIL/WASTE/FILL ANALYSIS (d)
(BAS AND BCL)

Page 2 of 2

| COMPOUND (a) | AVERAGE CONCENTRATION (mg/Kg) (c) | | | | |
|---|-----------------------------------|------------|--------------------|------------------|------------------|
| | SURFACE SOIL | WASTE FILL | LANDFILL BASE | | |
| | | | 1.5 FT. BELOW FILL | 2 FT. BELOW FILL | 5 FT. BELOW FILL |
| SEMI-VOLATILE ORGANICS (CONTINUED) | | | | | |
| Anthracene | ND | 1.62 | ND | T | ND |
| Benzo(a)Anthracene | ND | 1.77 | ND | ND | ND |
| Fluorene | ND | 1.74 | ND | T | ND |
| Benzyl Alcohol | ND | 6.59 | ND | ND | ND |
| Benzoic Acid | ND | ND | T | ND | ND |
| Fluoranthene | ND | 0.93 | T | 0.18 | ND |
| Phenanthrene | ND | 2.14 | T | 0.32 | ND |
| Pyrene | ND | 0.85 | T | T | ND |
| Benzo(b) Fluoranthene | ND | 0.80 | ND | ND | ND |
| N-Nitrosodiphenylamine | ND | 1.26 | ND | ND | ND |
| VOLATILE ORGANICS (mg/Kg) | | | | | |
| Ethyl Benzene | ND | (b) | 0.4 | 0.5 | ND |
| Total Xylenes | ND | (b) | 0.2 | ND | ND |

(GVRAP:9235:TBL2-1:3-26-92)

- (a) ND = Not detected at laboratory detection limits.
T = Detected at unquantifiable trace levels.
NC = Not present in average concentrations above background levels and; thus, not considered.
- (b) Volatile Organics in the landfill will be back-calculated from vapor well data.
- (c) For the purpose of calculating average concentrations, ND compounds are assumed to be present in concentration equal to their respective laboratory detection limits.
- (d) Data tables containing raw data and summary data information can be found in Section 5.0 and Appendix C of the RI Report.

- o To investigate the nature and extent of soil contamination beneath the landfill.

As shown below, analyses of the obtained data revealed that both of these objectives and purposes were met:

- o **Depth of Landfill** - BAS data established that the depth of the natural ground (from existing grades) at the sampled locations varied from 34 to 42 feet. These depths are within the 19 feet to 45 feet range which was established by previous investigations.
- o **Extent of Soil Contamination** - Contamination has been detected to a depth of five (5) feet below the landfill base and may extend deeper. Further study is needed if the extent of contamination immediately below the landfill is to be defined. During the Feasibility Study evaluations, the extent of contamination was empirically assumed, for comparative purposes, to be ten (10) feet below the base of the landfill.

2.2.4 **LEACHATE**

Four (4) landfill gas monitoring wells were placed in the landfill by BAS. These wells were placed to detect, sample, and monitor landfill gas. During the RI, liquids were detected in these wells. Due to the volume of liquids in the wells, and although the vapor wells are capped and have 1.5 foot bentonite surface seal around the well, it is assumed that the liquids came from surface water which infiltrated into the wells along the bentonite seal inter-face rather than through the cover soil and into the wastefill. It must be noted that these free standing liquid levels do not correspond to free standing liquids within the landfill. The vapor wells are designed with a bentonite plug at the bottom of each well and the liquid levels were below the perforated interval (i.e., below the opening in the well). Thus, liquids are allowed to accumulate within each vapor well.

Table 2-2 is a summary of compounds detected in the leachate samples. It should be noted that, where applicable standards exist, all reported metal concentrations were found to be below their respective Federal and State

Primary Drinking Water Standards. Manganese exceeded the Federal and State Drinking Water Standard of 0.05 mg/l in GVW-2 and 4. Iron exceeded the Federal and State secondary level of 0.3 mg/l in GVW-4.

No PCBs or pesticides were detected in any of the collected leachate samples.

The following four (4) SVOCs were detected in the samples analyzed: phenol, 1,4-dichlorobenzene, isophorone, 2-methylnaphthalene and naphthalene. naphthalene, 2-methylnaphthalene, and 1,4-dichlorobenzene were detected in GVW-1. Vapor well GVW-4 contained phenol and naphthalene. Detectable concentrations in GVW-2 included isophorone. Trace elements of 1,4-dichlorobenzene and benzoic acid were also detected in GVW-2.

The VOCs detected in the vapor well liquids include: vinyl chloride, chloroethane, 1,1 dichloroethane, 1,2 dichloroethane, 2-butanone (MEK), acetone, benzene, 1-2 dichloroethene, MIBK, toluene, ethylbenzene and total xylenes.

The fact that the liquids are attributed to rainwater infiltration through the well seal is supported by the number of volatiles detected and the lack of other chemical compounds such as metals and semi-volatiles, which are typically found in concentrated landfill leachate.

2.2.5 GAS STREAM

2.2.5.1 LANDFILL GAS

A review of the results of the interior vapor well analyses indicates that the average concentration of methane is 48.8 percent by volume. The typical concentration range for methane in landfills varies based on the age and contents, but is generally from 40 to 65 percent by volume.

Laboratory analyses of landfill gas samples indicated the presence of 16 volatile organic compounds. The three (3) speciated volatile organic compounds with the highest average concentrations are toluene, xylenes, and ethylbenzene with 21, 19, and 18 parts per million (ppm) respectively. Analyses for total gaseous

non-methane organics (TGNMO) were also performed via total combustion analysis combined with a flame ionization detection. The average concentration of TGNMO was found to be 5,212 ppm by volume. It should be noted that liquids were present in three of the vapor wells (GVW-1, GVW-2, and GVW-4) during sampling in June and July 1990. The presence of these liquids may have resulted in reduced organic concentrations measured in the landfill gas.

2.2.5.2 SURFACE EMISSIONS

A total of nine (9) organic contaminants have been detected during integrated surface sampling at the site indicating that contaminants are being emitted from the surface of the landfill.

Five (5) of the compounds detected during integrated surface sampling are listed on the California Air Resources Board (CARB) list of "Attachment 1 Contaminants." They are as follows:

- o Benzene
- o Dichloromethane (Methylene Chloride)
- o Tetrachloroethene (Perchloroethylene)
- o Tetrachloromethane (Carbon Tetrachloride)
- o 1,1,1-trichloroethane (Methyl Chloroform)

The CARB list of "Attachment 1 Contaminants" was developed as part of the testing guidelines for active solid waste disposal sites and includes those organic compounds which CARB feels are most prevalent at solid waste disposal sites. The five (5) compounds listed above were found to be the compounds with the highest percentage of detection at all solid waste landfills tested under the Calderon testing program according to the CARB June, 1989 report (refer to Figure 2-5).

2.2.5.3 SUBSURFACE GAS MIGRATION

Based on the results of offsite perimeter probe testing, gas migration off-site does occur. Although the probes are only monitored for methane concentrations, the potential exists for VOCs to be present along with methane in the landfill gas. It must be noted that these probes monitor the entire landfill and not just the portion of the landfill under investigation.

2.2.6 AMBIENT AIR

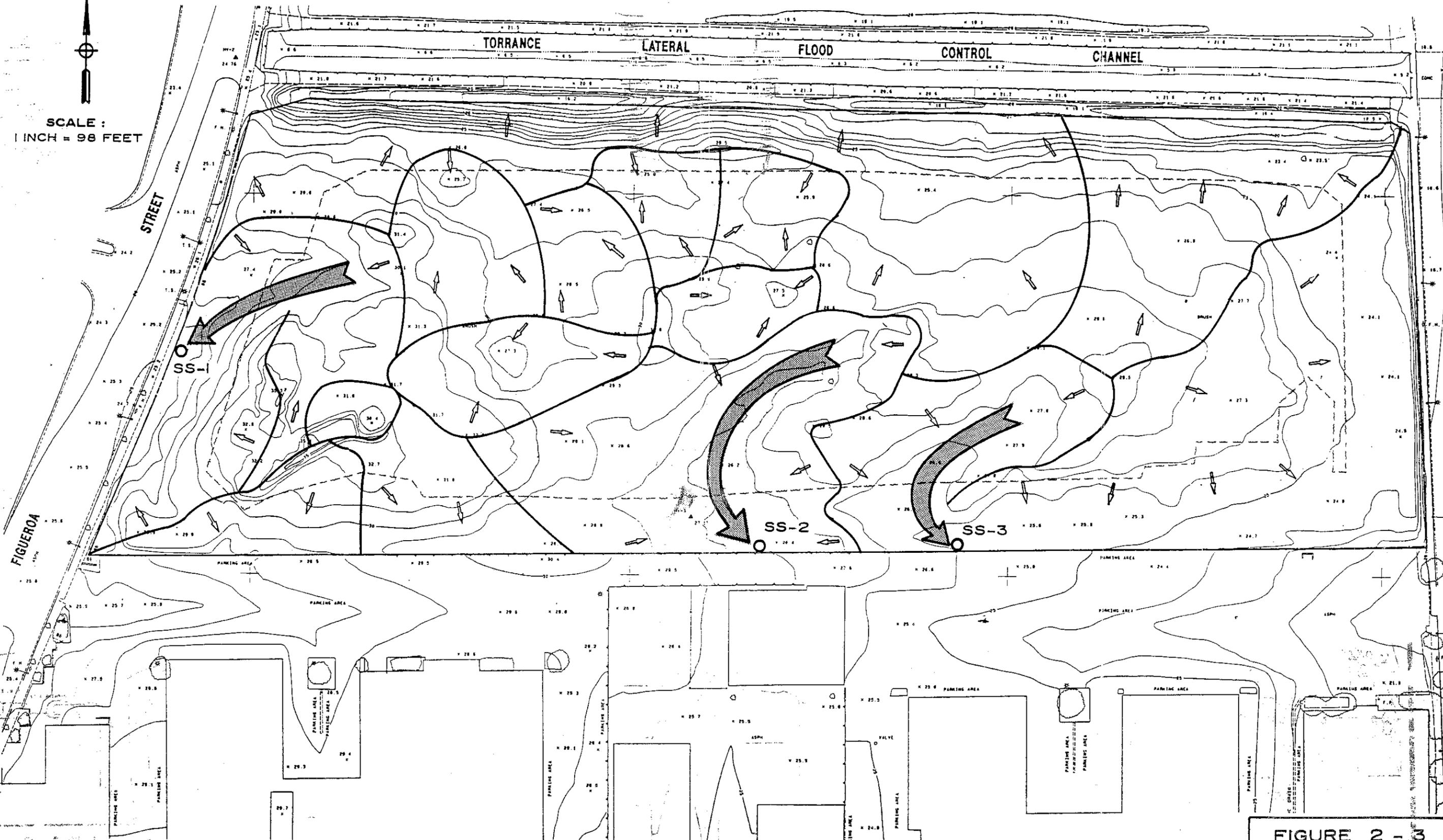
Twenty (20) organic compounds were quantified in the ambient air samples collected over 24-hour periods and over 6-hour air drainage periods during the three days of ambient air monitoring conducted from August 4 to August 7, 1990.

Data summaries prepared for each of six ambient air sampling locations show that twelve (12) compounds were present in at least one sample location at a concentration above the detection limit. The ambient air sampling locations are shown on Figure 2-6. The background sampler was located at the corner of Figueroa and 213 Street (Figure 2-7). The detected compounds are as follows:

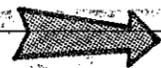
- o Benzene
- o Ethylbenzene
- o Dichloromethane (Methylene Chloride)
- o m-, & p-xylene
- o o-xylene
- o Tetrachloroethene (Perchloroethylene)
- o Tetrachloromethane
- o Toluene
- o Trichloroethylene
- o 1,1-dichloroethene
- o 1,1,1-trichloroethane (Methyl Chloroform)
- o p-dichlorobenzene



SCALE :
1 INCH = 98 FEET



LEGEND



MAJOR DRAINAGE PATHWAYS



PROJECT BOUNDARY
SURFACE SOIL AND WATER
SAMPLING LOCATIONS



MINOR DRAINAGE PATHWAYS

FIGURE 2 - 3



[714] 860-7777

BRYAN A. STIRRAT & ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GARDENA VALLEY 1 & 2

SURFACE WATER DRAINAGE MAP

JOB NO.

8706

DATE

OCT. 1989

DRAWN BY:

PTN

CHECKED BY:

TGA

**Table 7. Statewide Integrated Surface Sampling--
Range of Concentrations Observed and
Percentage of Sites Above Detection Limit**

| Chemical | <u>Non-Hazardous Waste Sites</u> | | <u>Hazardous Waste Sites</u> | |
|----------------------|----------------------------------|-------------------------------------|------------------------------|------------------------------------|
| | Conc. Range* (ppbv) | Percent Of 115 Sites Where Detected | Conc. Range* (ppbv) | Percent Of 16 Sites Where Detected |
| Vinyl Chloride | 2 - 1,200 | 4 | <2 | 0 |
| Benzene | 2 - 40 | 35 | 2 - 9.9 | 50 |
| Ethylene Dibromide | 0.5 - 5.6 | 4 | 0.5 - 1.6 | 13 |
| Ethylene Dichloride | 0.2 - 46 | 9 | 0.2 - 0.7 | 6 |
| Methylene Chloride | 1 - 3,200 | 29 | 1 - 52 | 63 |
| Perchloroethylene | 0.2 - 540 | 50 | 0.2 - 3.1 | 69 |
| Carbon Tetrachloride | 0.2 - 11 | 20 | 0.2 - 0.2 | 31 |
| Methyl Chloroform | 0.5 - 50 | 37 | 0.5 - 32 | 81 |
| Trichloroethylene | 0.6 - 80 | 14 | 0.6 - 4.8 | 44 |
| Chloroform | 2 - 9.6 | 6 | 0.8 - 1.7 | 31 |
| Methane | 0.2 - 25,000 (ppm) | 57 | 0.2 - 5,000 (ppm) | 79 |

ppbv = parts per billion by volume

*Concentration Range represents the approximate lowest value (the detection limit) up to the highest reported value.

FIGURE 2 - 5



(714) 860-7777

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CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**GARDENA VALLEY 1 & 2 LANDFILL
TABLE 7 FROM
CARB 6-89 REPORT**

| |
|------------------------------|
| JOB NO. 90102-8200 |
| DATE JULY 1991 |
| DRAWN BY: |
| CHECKED BY: TGA |

It should be noted that the accuracy of the p-dichlorobenzene detection is questionable because the detection only occurred at one upwind location on the third day and was not detected on any other day or at any other location.

Comparison of upwind and downwind 24-hour samples were inconclusive due to the changing windflow patterns during the sampling period. However, the less than 24-hour samples were collected between the hours of midnight and 6 a.m. when winds came almost exclusively from the northeast. Therefore, it was possible to determine upwind and downwind locations for the less than 24-hour samples. A comparison of these showed average measured downwind concentrations to be slightly higher than upwind concentrations.

A gas production estimate has been performed for this site. Based on previous experience with other landfills, the age of the landfill, the estimated quantity of trash deposited at the site and the type of trash deposited, methane production rate of 14 standard cubic feet per minute (SCFM) of methane for 1990. The calculation used to arrive at this number is proprietary. Due to the age of the refuse, the rate of gas production is declining and the potential recoverable flowrate of landfill gas will decrease from the current 14 SCFM over time. Due to the variability of the many factors which could affect landfill gas production, the limits of accuracy for gas production estimates is poor a 100 percent error factor is not uncommon.

2.3 CHARACTERIZATION OF THE SOUTHERN PORTION

In conjunction with this RI, additional work was performed in order to characterize the portion of the landfill south of the subject property as delineated in Figure 1-1. This additional work included placement of exploratory borings to determine the extent of fill, and placement of lysimeters to analyze soil pore liquids. Although this work was not intended to characterize the original subject property, the waste zone, ambient air and groundwater characterization done for the original subject property will also be supplemented by the characterization of the southern portion. The following is a description of the findings of this additional work.

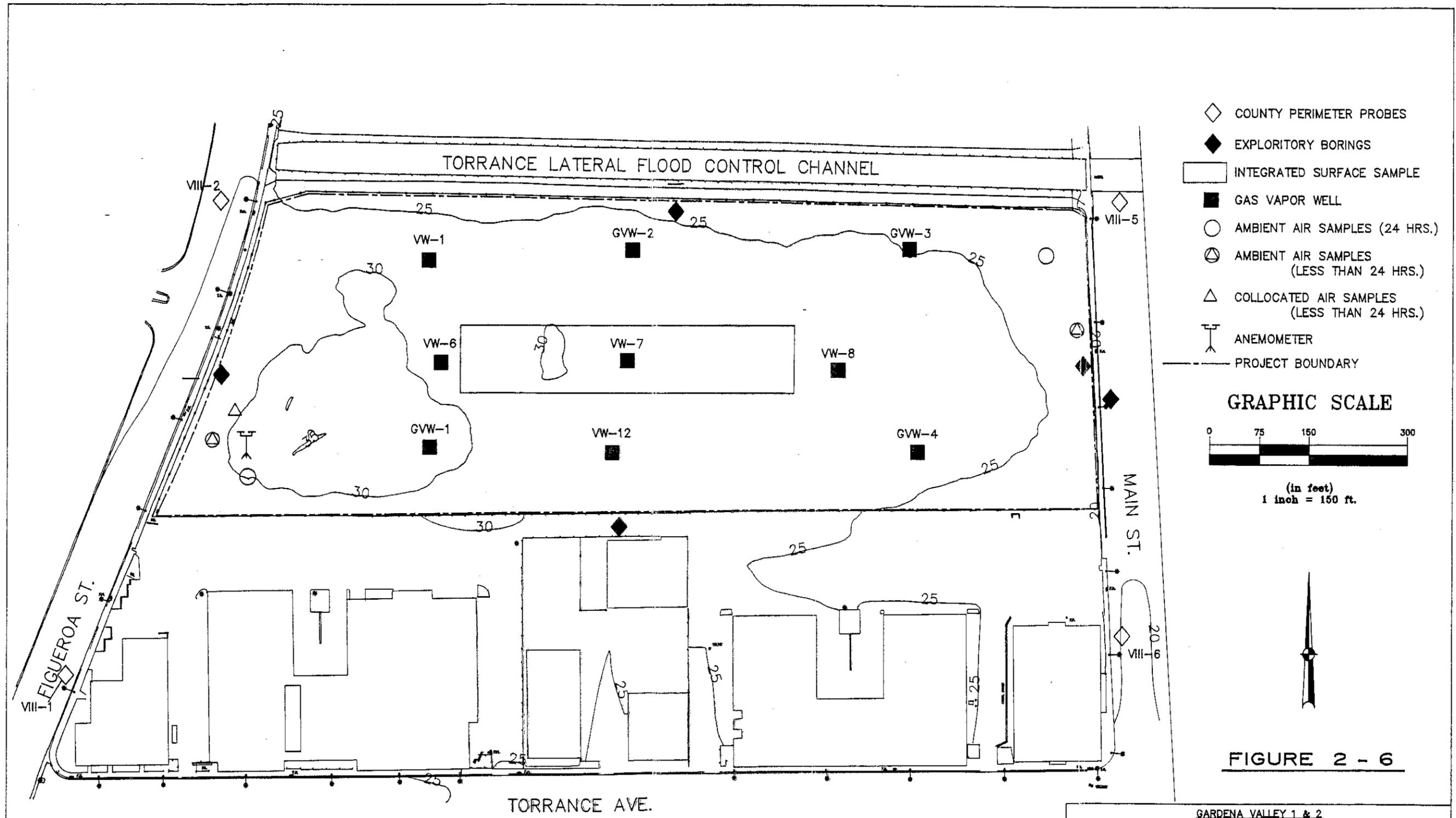
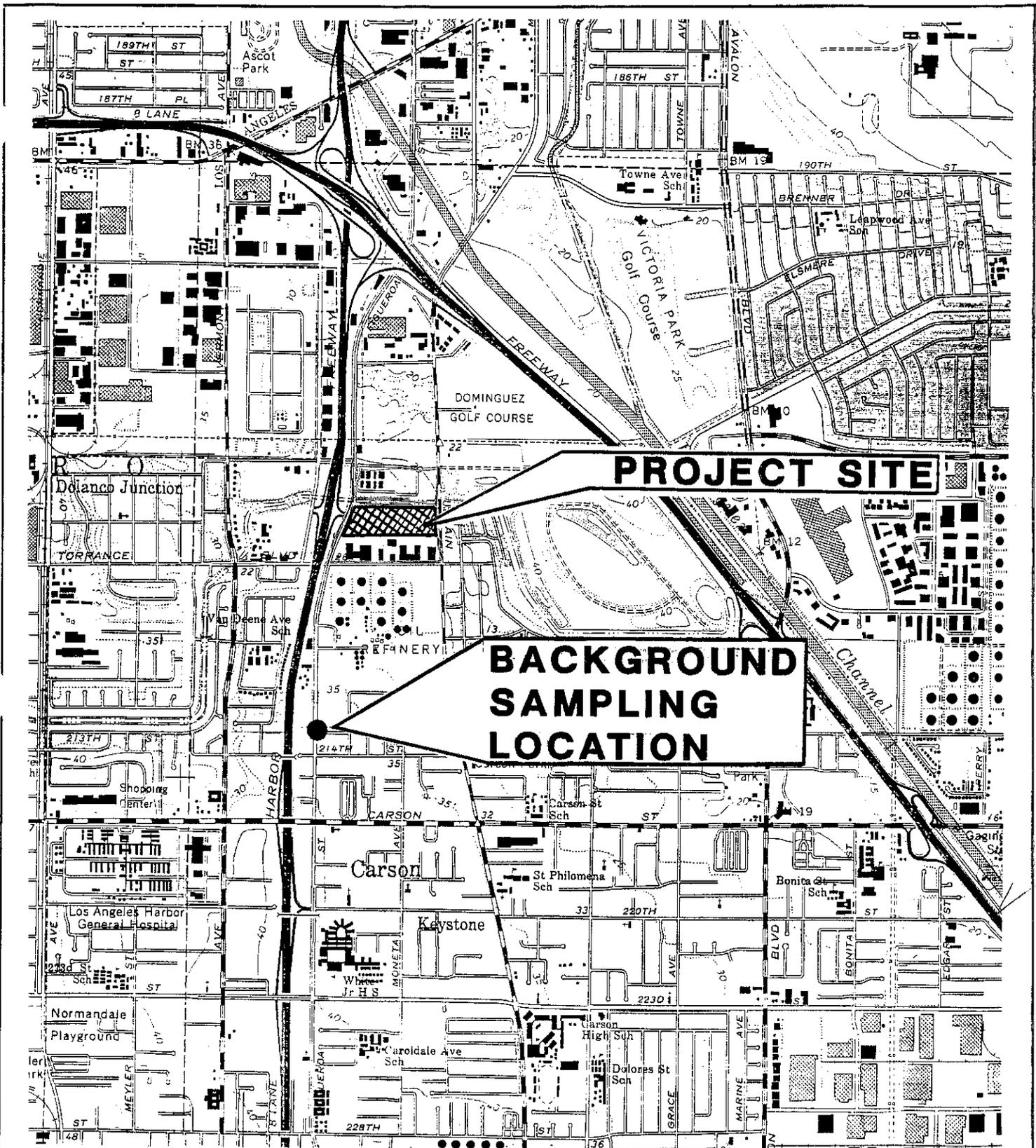


FIGURE 2 - 6

| GARDENA VALLEY 1 & 2 AIR INVESTIGATION SAMPLING LOCATIONS | | |
|--|--|---|
| <small>FILE PREPARED BY</small>  <small>BYRAN A. STEWART & ASSOCIATES CIVIL AND ENVIRONMENTAL ENGINEERS 1326 SOUTH VALLEY VISTA DRIVE DOWNEY, CALIF. 91704 (714) 960-7777</small> | <small>DRAWN BY:</small> KK <small>CHECKED BY:</small> MM <small>JOB NO.:</small> 90102-8100 | <small>DATE:</small> 12/13/90 <small>DRAWING NO.:</small> 8970TEMP <small>SHEET:</small> 1 OF 1 |



REFERENCE: BASE MAP FROM "U.S.G.S. TORRANCE QUADRANGLE CALIFORNIA, LOS ANGELES COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHIC)

SCALE: 1"=2,000 FEET

FIGURE 2 - 7



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GARDENA VALLEY 1 & 2
AMBIENT AIR BACKGROUND SAMPLING LOCATION

| | |
|-------------|------------|
| JOB NO. | 90102-8100 |
| DATE | 6/11/91 |
| DRAWN BY: | SA |
| CHECKED BY: | JR |

- o Extent of Fill

The extent of fill for the southern portion of the landfill is delineated in Figure 2-4. As shown in the figure none of the buildings constructed for El Camino Plaza have been built on refuse. This area is currently paved and is used as a parking lot for the El Camino Plaza. The size of this area is 155,000 square feet or 3.56 acres. The landfill area under Figueroa Street is approximately 1.08 acres.

- o Volume of Fill

Based upon a review of the fill placement records, there is no reason to believe that the southern portion of the landfill accepted different classes of materials than the northern. Using the same depth as the northern parcel of 25.15 feet (considered conservative) and a permitted 3:1 ratio of refuse to daily cover soil, the volume of refuse deposited is calculated as follows:

$$\text{Volume Total} = 3.56 \text{ ac} \times 43,560 \text{ feet}^2/\text{ac} \times 25.15 \times 1/27 = 144,449 \text{ yd}^3$$

(Soil and Transfer)

$$\text{Trash Volume} = 144,449 \times 3/4 = 108,337 \text{ yd}^3$$

- o Soils Analysis

Composite soil samples collected from ASB-1, L-1, and L-2 as shown in Figure 2-4 showed the presence of Arsenic, Beryllium, Chromium, Copper, Lead, Nickel, and Zinc. Concentrations are shown in Table 2-3. No pesticides, PCBs, semi-volatile organics or volatile organics were detected in any of the discreet samples collected from these locations.

TABLE 2-3
SUMMARY OF ANALYTICAL RESULTS (1)

| PARAMETER (mg/kg) | LOCATION | | |
|-------------------|----------|------|------|
| | ASB-1 | L-1 | L-2 |
| Arsenic | 18.4 | 16.8 | 24 |
| Beryllium | 0.7 | 0.5 | 0.7 |
| Chromium III | 18.9 | 14.2 | 22.1 |
| Copper | 27.2 | 19.2 | 47.9 |
| Lead | 9.7 | 12.4 | 15.6 |
| Nickel | 17 | 10.7 | 8 |
| Zinc | 63.9 | 61.1 | 60.6 |

(GV:9235:TBL2-3:3-26-92)

- (1) Samples were composited for analysis. Refer to Table 9-1 for depths of samples used in the composite.

o Lysimeter Analysis

The results of the analyses of soil pore liquid samples collected from the lysimeters shown in Figure 2-4 shows the following metals in the liquids collected from L-2:

- Arsenic
- Barium
- Cadmium
- Chromium
- Lead
- Zinc

In addition, the following organics were detected at L-2:

- Benzene
- Toluene
- Chlorobenzene
- Ethyl Benzene
- Xylenes

The concentrations of benzene, toluene, ethyl benzene, and total xylenes exceeded state MCLs. It should be noted that the metals and volatile organics analyses could only be performed for L-2 because this was the only lysimeter with sufficient volumes of liquid presented. At L-1 and L-3 the available sample quantity limited the analyses to total organic carbon (TOC). These analyses showed that the TOC levels immediately adjacent to the landfill are elevated compared to those reported as background. Table 2-4 summarized the findings of the two lysimeter sampling rounds at the site included in the RI report.

o SUMMARY OF RESULTS

Based upon the results obtained, there has been no lateral migration of leachate contaminants from the side of the wastefill zone (i.e., from approximately 0 to 30 feet). The results do, however, suggest that migration of leachate from the base of the landfill is taking place. This statement is made due to the fact that the lysimeters were placed below the anticipated base of the landfill. Soil samples were only taken to the anticipated total depth of fill. Due to the fact that only two of the four rounds of lysimeter sampling have been completed, no further conclusions can be presented. The remaining rounds of analysis and conclusions regarding the lysimeter data will be presented in the Groundwater Operable Unit RI Report. It should be noted that the lateral migration of gas, which may contain VOCs as well as methane, has been detected in off-site probes.

2.4 SUMMARY AND CONCLUSIONS

The pertinent findings and conclusions of the RI Report can be summarized as follows:

- o Nine priority pollutant metals, and barium were found in existing cover soils. DDT and its breakdown products, PCBs, and two semi-volatile organic compounds were also detected in the cover soils intermittently across the site.
- o The wastefill was found to contain twelve priority pollutant metals, barium, DDT breakdown products, PCBs, and twenty-four different semi-volatile organic compounds. A significant portion of the organic constituents detected in the wastefill were unidentifiable.
- o The depth of the landfill delineated in previous studies was substantiated in this investigation to be between 19 and 45 feet.

**TABLE 2-4
SUMMARY RESULTS OF ROUND 1
LYSIMETER ANALYSIS**

| PARAMETER | LYSIMETER LOCATION | | |
|-------------------------------|--------------------|---------|---------|
| | L-2 | L-1 | L-3 |
| | 3/14/90 | 3/14/90 | 3/14/90 |
| CHEMICAL OXYGEN DEMAND (mg/l) | 36 | NA | NA |
| NITRATE (AS NITROGEN) (mg/l) | 0.08 | NA | NA |
| TOTAL ORGANIC CARBON (mg/l) | NA | 160 | 106 |
| VOLATILE ORGANICS (ug/l) | | | |
| Acetone | 370 | NA | NA |
| Chlorobenzene | 8 | NA | NA |
| Ethyl Benzene | 7 | NA | NA |
| Total Xylenes | 40 | NA | NA |

**SUMMARY RESULTS OF ROUND 2
LYSIMETER ANALYSIS**

| PARAMETER | LYSIMETER LOCATION | | |
|-------------------------------|--------------------|---------|---------|
| | L-2 | L-1 | L-3 |
| | 9/11/90 | 9/11/90 | 9/11/90 |
| CHEMICAL OXYGEN DEMAND (mg/l) | 70 | NA | NA |
| NITRATE AS NITROGEN (mg/l) | <0.05 | NA | NA |
| TOTAL ORGANIC CARBON (mg/l) | NA | 284 | 171 |
| CCR METALS (mg/l) | | | |
| Arsenic | 0.038 | NA | NA |
| Barium | 0.06 | NA | NA |
| Cadmium | 0.01 | NA | NA |
| Chromium | 0.02 | NA | NA |
| Lead | 0.032 | NA | NA |
| Zinc | 0.29 | NA | NA |
| VOLATILE ORGANICS (ug/l) | | | |
| Benzene | 1 | NA | NA |
| Toluene | 3 | NA | NA |
| Chlorobenzene | 32 | NA | NA |
| Ethyl Benzene | 2 | NA | NA |
| Total Xylenes | 6 | NA | NA |

(GV:9235:TBL24:3-26-92)

NA = Not Analyzed

- o Contamination has been detected to a depth of five feet below the landfill base and may extend deeper.
- o Based on samples collected from vapor/leachate wells placed on the site the landfill does not appear to be generating leachate.
- o Landfill gas samples collected from the vapor/leachate wells showed 48.8 percent methane, with 5,212 ppm of total gaseous non-methane organics (including toluene, xylenes, and ethyl benzene).
- o Nine organic compounds were detected during monitoring of surface emission from the landfill.
- o Off-site gas migration from the landfill is occurring.
- o Twenty organic compounds were quantified in ambient air sampling at the site. Comparisons of upwind and downwind samples were inconclusive due to the changing windflow patterns at the site during the sampling period.
- o There has been no lateral migration of leachate contaminants from the side of the wastefill zone, however, migration of leachate from the base of the landfill may be taking place.

SECTION 3.0

SUMMARY OF RISK ASSESSMENT FINDINGS

3.0 SUMMARY OF RISK ASSESSMENT FINDINGS

Using the results of the site characterization and the hazardous chemicals identified, a comprehensive Health Risk Assessment (HRA) was performed to determine the potential public health risks posed by the site. The complete Risk Assessment is included in the RI/FS, Volume III.

3.1 **POTENTIAL PATHWAY OF HUMAN EXPOSURES TO SITE CHEMICALS**

The potentially exposed populations identified within the study area were the on-site and off-site populations. Using recently adopted U.S. EPA terminology, **Reasonable Maximum Exposure (RME)** is used to describe the following exposure scenarios:

o RME On-site Trespasser

Identified as a member of the public between the age of 4-19 who obtains access to the restricted property by climbing a fence. Exposure for the RME On-Site Trespasser is assumed to be for a four-hour period, one day each week, for an exposure duration of 15 years (ages 4-19).

o RME Off-site Resident

Identified as residents of a small mobile home park located approximately 100 feet east of the site.

A sensitive receptor subpopulation (individuals especially sensitive to adverse health effects resulting from chemical exposure) was identified. This group included three (3) schools within a one-mile radius of the site and the Los Angeles Harbor General Hospital, located at the edge of the one-mile radius study area. Due to the conservative estimates used in the evaluation of risk posed to the RME off-site residents, additional studies on the sensitive receptor, subpopulation were not conducted.

3.2 POTENTIAL SOURCES, EXPOSURE PATHWAYS, AND ROUTES

The primary sources from which hazardous chemicals could potentially migrate are:

- o Landfill cover soils
- o Wastefill beneath the site.

The primary receiving medium for this study is air. Chemicals originating in the soil cover and wastefill have the potential to be released in the air via fugitive dust and volatilization. Cover soil studies conducted at the site indicate that no VOCs have been detected in the on-site soils. Release of cover soil chemicals to the air via volatilization is considered minimal relative to potential releases of VOCs detected for the wastefill. Therefore, only data from the wastefill gas samples are used to model release of chemicals to the air via volatilization.

Chemicals in the cover soil have the potential to be adsorbed on dust particles and released to the air via fugitive dust. Direct contact with the soil is also considered a potential pathway for the RME on-site trespasser scenario.

Based on the exposed population and potential pathways identified the following exposure routes were selected:

- o **RME On-site Trespasser**

The entire surface of the study area is considered an exposure point under the RME trespasser scenario. The individual is assumed to intrude the site and have complete access to the property. The intruder would have direct contact with the soil vapor emissions, and could possibly ingest chemically contaminated soils. Therefore, the potential risks to RME on-site trespasser were evaluated using exposure pathways that include:

- Ingestion of chemicals in cover soil
- Dermal absorption of chemicals in cover soil
- Inhalation of chemicals detected in landfill gas
- Inhalation of compounds absorbed to fugitive dust

o RME Off-site Resident

In order to estimate the upper-bound exposures and subsequent health risk to the RME off-site resident, the mobile trailer park 100 feet from the eastern landfill boundary was selected as the exposure point. The exposure pathways for the RME resident includes:

- Inhalation of chemicals detected in landfill gas
- Inhalation of chemicals detected in fugitive dust

Based upon the land use studies and the California Air Pollution Control Officers Association (CAPCOA) screening analysis, off-site secondary exposures pathways were considered negligible health risks and were excluded from the study.

3.3 CHEMICALS SELECTED FOR RISK ASSESSMENT

3.3.1 LANDFILL COVER SOIL

All chemicals identified during the characterization of the landfill cover soil were included in the risk assessment. The chemicals detected are as follows:

- o Two (2) semi-volatile organics
- o Six (6) organochlorine pesticides and two (2) PCBs
- o Ten (10) inorganic compounds

A complete list of chemicals can be found in Table 3-1.

3.3.2 LANDFILL GAS

All chemicals identified during characterization of the landfill gas were included in the risk assessment. The chemicals detected are as follows:

- o Thirteen (13) VOCs
- o One (1) semi-volatile

A complete list of the chemicals can be found in Table 3-2.

3.3.3 WASTEFILL

The results of **BAS** and **BCL** wastefill sampling indicated the presence of 37 chemical compounds in the wastefill medium. However, because no exposure pathway could be identified for the wastefill medium, this data is not included in the risk assessment findings. The wastefill data will be utilized in the groundwater operable unit Health Risk Assessment, if necessary.

3.4 **TOXICITY ASSESSMENT**

Toxicity assessment is also referred to as dose-response data. Dose-response data quantify the relationship between the exposure of the receptor to a chemical and the biological response elicited. When available, toxicity based reference doses derived by the EPA and the DTSC were used. For the remaining chemicals, toxicity values were derived from available toxicological and epidemiological data in literature.

TABLE 3-1
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF ANALYTICAL RESULTS
FOR CHEMICALS DETECTED IN
LANDFILL COVER SOIL

| CHEMICAL | NUMBER OF SAMPLES | NUMBER OF DETECTS | CONCENTRATIONS (MG/KG) | | | 95% UPPER CONFIDENCE LIMIT |
|----------------------|-------------------|-------------------|------------------------|---------|-------------|----------------------------|
| | | | MINIMUM (1) | MAXIMUM | AVERAGE (2) | |
| Diethyl Phthalate | 14 | 1 | 6.0E-01 | 6.0E-01 | 1.3E+00 | 2.5E+00 |
| Di-n-butyl Phthalate | 14 | 4 | 5.3E-01 | 2.0E+01 | 1.9E+00 | 4.8E+00 |
| Aroclor 1254 | 14 | 2 | 8.3E-01 | 1.6E+00 | 2.0E+00 | 5.7E+00 |
| Aroclor 1260 | 14 | 2 | 7.4E-01 | 1.4E+00 | 2.0E+00 | 5.7E+00 |
| Chlordane | 14 | 1 | 8.8E-02 | 8.8E-02 | 1.8E+00 | 5.5E+00 |
| O,P' - DDD | 8 | 1 | 5.5E-02 | 5.5E-02 | 6.0E-01 | 2.0E+00 |
| P,P' - DDD | 14 | 2 | 5.1E-02 | 1.3E+01 | 9.0E-01 | 2.9E+00 |
| P,P' - DDE | 14 | 6 | 2.0E-02 | 3.2E+01 | 2.3E+00 | 7.1E+00 |
| O,P' - DDT | 8 | 2 | 6.3E-02 | 1.5E+01 | 1.9E+00 | 6.0E+00 |
| P,P' - DDT | 20 | 13 | 8.8E-03 | 6.5E+01 | 3.5E+00 | 1.1E+01 |
| Arsenic | 14 | 14 | 9.7E+00 | 3.2E+01 | 2.2E+01 | 2.5E+01 |
| Barium | 7 | 7 | 1.0E+02 | 1.5E+03 | 3.3E+02 | 7.6E+02 |
| Beryllium | 14 | 3 | 5.0E-01 | 6.0E-01 | 4.0E-01 | 5.2E-01 |
| Cadmium | 14 | 1 | 1.5E+00 | 1.5E+00 | 3.0E-01 | 5.3E-01 |
| Chromium | 14 | 14 | 1.2E+01 | 1.0E+02 | 3.4E+01 | 4.8E+01 |
| Copper | 14 | 14 | 1.3E+01 | 1.4E+02 | 5.4E+01 | 7.4E+01 |
| Lead | 14 | 14 | 4.2E+00 | 2.6E+02 | 5.7E+01 | 1.0E+02 |
| Mercury | 14 | 4 | 2.0E-01 | 1.8E+01 | 1.7E+00 | 4.4E+00 |
| Nickel | 14 | 14 | 6.6E+00 | 4.1E+01 | 1.7E+01 | 2.2E+01 |
| Zinc | 14 | 14 | 3.2E+01 | 3.2E+02 | 1.1E+02 | 1.5E+02 |

(GVRAP:9235:RAPTB3-1:5-9-91)

Source: BAS (1990a), and BCL (1985) landfill cover soil analyses

- (1) Minimum = lowest concentration detected onsite.
- (2) Both average and 95% UCL calculated assuming concentrations for nondetects at one-half the sample detection limit.

TABLE 3-2
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF ANALYTICAL RESULTS
FOR CHEMICALS DETECTED IN
LANDFILL GAS

| CHEMICAL | NUMBER OF SAMPLES | NUMBER OF DETECTS | CONCENTRATIONS (ug/CUBIC METER) | | | 95% UPPER CONFIDENCE LIMIT |
|-----------------------|-------------------|-------------------|---------------------------------|---------|-------------|----------------------------|
| | | | MINIMUM (1) | MAXIMUM | AVERAGE (2) | |
| Benzene | 9 | 9 | 2.4E+02 | 5.4E+03 | 3.0E+03 | 4.2E+03 |
| Chlorobenzene | 9 | 4 | 4.3E+02 | 1.6E+03 | 7.7E+02 | 1.1E+03 |
| 1,4-Dichlorobenzene | 9 | 8 | 1.8E+03 | 1.9E+04 | 7.3E+03 | 1.1E+04 |
| 1,1-Dichloroethene | 9 | 4 | 4.3E+02 | 6.8E+02 | 2.5E+02 | 4.5E+02 |
| 1,1-Dichlorethane | 9 | 2 | 4.9E+02 | 1.1E+03 | 2.4E+02 | 5.2E+02 |
| 1,2-Dichloroethane | 9 | 5 | 8.9E+01 | 1.8E+03 | 3.0E+02 | 7.3E+02 |
| Ethylbenzene | 9 | 9 | 1.0E+04 | 3.6E+05 | 8.0E+04 | 1.6E+05 |
| Methylene Chloride | 9 | 6 | 1.3E+02 | 8.3E+03 | 1.1E+03 | 3.1E+03 |
| Tetrachloroethene | 9 | 9 | 3.7E+00 | 5.0E+03 | 8.5E+02 | 2.0E+03 |
| Toluene | 9 | 9 | 1.2E+03 | 2.2E+05 | 4.8E+04 | 1.0E+05 |
| 1,1,1-Trichloroethane | 9 | 7 | 5.1E+00 | 4.4E+01 | 1.2E+01 | 2.2E+01 |
| Trichloroethene | 9 | 9 | 3.4E+01 | 3.0E+03 | 7.1E+02 | 1.4E+03 |
| Vinyl Chloride | 9 | 9 | 1.2E+03 | 6.9E+03 | 3.6E+03 | 5.3E+03 |
| Xylenes, Total | 9 | 9 | 4.5E+03 | 1.5E+05 | 6.3E+04 | 9.9E+04 |

(GVRAP:9235:RAPTB3-2:5-9-91)

Source: BAS (1990a), and BCL (1985) landfill cover soil analyses

(1) Minimum = lowest concentration detected onsite.

(2) Both average and 95% UCL calculated assuming concentrations for nondetects at one-half the sample detection limit.

3.5 ASSUMPTIONS UTILIZED IN ESTIMATES OF HUMAN INTAKE

The exposure point concentrations derived in the Risk Assessment Study are combined with health conservative exposure assumptions in order to estimate average daily intake of detected compounds for all exposure pathways. The estimation of the daily intake levels follows the guidance specified in the U.S. EPA Risk Assessment Guidance for Superfund (Human Health Evaluation Manual) (U.S. EPA, 1989).

Table 3-3 summarizes the exposure assumptions used for both the on-site and off-site RME scenarios. The on-site RME is assumed to come in contact with chemicals detected at the site once a week for four hours per day for a 15-year exposure period. The off-site resident is assumed to live at the nearest downwind residence for a 30-year exposure period (U.S. EPA, 1989a). Both the on-site trespasser and the off-site resident are assumed to live 75 years. These assumptions, and the others presented in Table 3-3 represent a health conservative approach to estimating potential human health risks using the Reasonable Maximum Exposure Methodology.

3.6 RISK ASSESSMENT

The result of chemical compounds concentrations, dose-response data and exposure assessment are factored into equations that calculate the potential human health risk posed by the site. The study evaluated the non-carcinogenic and carcinogenic risk estimate for the RME on-site trespasser and the RME off-site resident.

3.6.1 RME ON-SITE TRESPASSER

This section presents the results of the risk characterization for the on-site trespasser who is assumed to enter the landfill property once a week for the entire 15 year exposure duration.

TABLE 3-3
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF EXPOSURE ASSUMPTIONS

| ASSUMPTION | VALUE USED | SOURCE |
|---|----------------------------------|------------------------------------|
| EXPOSURE DURATION On-site Trespasser Off-site Resident | -15 years 30 years | Assumption U.S. EPA, 1989c |
| EXPOSURE FREQUENCY On-site Trespasser Off-site Resident | 1 day/week 365 days/year | ERS, 1990 U.S. EPA, 1989c |
| LIFESPAN On-site Trespasser Off-site Resident | 75 years 75 years | U.S. EPA, 1989c U.S. EPA, 1989c |
| DURATION PER EXPOSURE EVENT On-site Trespasser Off-site Resident | 4 hours 24 hours | Assumption DHS, 1986 |
| SOIL INGESTION RATE On-site Trespasser Off-site Resident | 120 mg/day (1) 106 mg/day (2) | U.S. EPA, 1989b U.S. EPA, 1989b |
| SOIL/SKIN CONTACT RATE On-site Trespasser Off-site Resident | 450 mg/day 450 mg/day (2) | DHS, 1987 DHS, 1987 |
| ABSORPTION PERCENT VIA SKIN Organics Inorganics | 10% 1% | SCAQMD, 1988 SCAQMD, 1988 |
| INHALATION RATE On-site Trespasser Off-site Resident | 23 m3/day 23 m3/day | Assumption Assumption |

(GVRAP:9235:RAPTB3-3:8-12-91)

- (1) Based on the mean of age-specific values of soil ingestion rates for individuals aged 4 to 19 years.
- (2) May not be applicable because this exposure pathway will only be included in the baseline HRA if the inhalation lifetime cancer risks via fugitive dust and volatilized soil gas are greater than 1.0E-06 (one-in-a million) for the RME off-site resident.

3.6.1.1 CARCINOGENIC RISK

Table 3-4 presents a summary of the lifetime cancer risk estimates for all of the potential exposure pathways for the RME on-site trespasser. A total lifetime cancer risk of $3E-06$ is estimated for the RME on-site trespasser. The potential lifetime cancer risks from arsenic detected in the soil cover represents approximately 33 percent ($1E-06$) of the total lifetime cancer risk to the on-site trespasser. The detected PCBs in the soil cover material contribute approximately 23 percent ($7E-07$) of this total lifetime cancer risk.

It should be noted that the lifetime cancer risk estimates, for inhalation of landfill gas, listed in Table 3-4 were calculated using the "Box Model" methodology, recommended by the California Air Resources Board, to simulate the migration of landfill gas upward through the existing cover material and the dispersion of these emissions from the landfill surface into the breathing zone. Ambient air and integrated surface sampling concentrations measured at the site showed constituent levels three orders of magnitude higher than the modeling results indicated. However, the measured concentrations are to some extent influenced by other emission sources in the area, such as other landfills and a major highway adjacent to the site.

The potential carcinogenic risks posed by chemicals detected in ambient air are evaluated in Appendix C of the HRA report. The results of the ambient air analyses indicates a lifetime cancer risk of $2E-05$, derived using air concentrations measured in 24-hour "upwind" ambient air samples. The comparable cancer risk estimate for "downwind" 24-hour samples is estimated at $1E-05$. Because of shifting wind directions, neither of these samples were continually upwind or downwind from the site. Using chemical concentrations in the 6-hour samples, a lifetime cancer risk estimate of $1E-05$ is estimated for both upwind and downwind samples. The majority of cancer risk in both 24-hour and 6-hour estimates is attributable to one chemical (1,1-dichloroethene), and both are to some degree influenced from background ambient air concentrations from adjacent landfills.

TABLE 3-4
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF LIFETIME CANCER
RISK ESTIMATES
RME ON-SITE TRESPASSER

| CHEMICAL | SOIL INGESTION | DERMAL ABSORPTION | LANDFILL GAS INHALATION | FUGITIVE DUST INHALATION | TOTAL LIFETIME CANCER RISK |
|----------------------------|-------------------|----------------------|-------------------------------|--------------------------------|----------------------------------|
| Benzene | --(1) | -- | 6E-10 | -- | 6E-10 |
| 1,4-Dichlorobenzene | -- | -- | 3E-10 | -- | 3E-10 |
| 1,2-Dichloroethane | -- | -- | 2E-10 | -- | 2E-10 |
| 1,1-Dichloroethene | -- | -- | 1E-09 | -- | 1E-09 |
| Methylene Chloride | -- | -- | 1E-10 | -- | 1E-10 |
| Tetrachloroethene | -- | -- | 2E-11 | -- | 2E-11 |
| Trichloroethene | -- | -- | 2E-12 | -- | 2E-12 |
| Vinyl Chloride | -- | -- | 5E-10 | -- | 5E-10 |
| | | | | | |
| Aroclor 1254 | 3E-07 | 9E-08 | -- | 6E-10 | 4E-07 |
| Aroclor 1260 | 2E-07 | 8E-08 | -- | 5E-10 | 3E-07 |
| Chlordane | 2E-09 | 2E-09 | -- | 5E-12 | 4E-09 |
| O,P' - DDD | 3E-10 | 1E-10 | -- | 6E-13 | 4E-10 |
| P,P' - DDD | 1E-08 | 5E-09 | -- | 3E-11 | 2E-08 |
| P,P' - DDE | 5E-08 | 2E-08 | -- | 1E-10 | 7E-08 |
| O,P' - DDT | 4E-08 | 2E-08 | -- | 9E-11 | 6E-08 |
| P,P' - DDT | 7E-08 | 3E-08 | -- | 2E-10 | 1E-07 |
| | | | | | |
| Arsenic | 9E-07 | 3E-08 | -- | 6E-08 | 1E-06 |
| Beryllium | 4E-08 | 2E-07 | -- | 2E-10 | 2E-07 |
| Cadmium | --(2) | -- | -- | 1E-10 | 1E-10 |
| | | | | | |
| Total Lifetime Cancer Risk | 2E-06 | 5E-07 | 3E-09 | 6E-08 | 3E-06 |

(GV:9235:RAPTB3-4:5-9-91)

- (1) -- = Chemical was not detected in relevant environmental medium, and is therefore not evaluated in the exposure pathway.
- (2) Cadmium is classified as a carcinogen only via inhalation.

Using chemical concentrations in the integrated surface sample, collected two to three inches above the landfill surface, a lifetime cancer risk estimate of $4E-6$ is estimated. The majority of the cancer risk in this estimate results from benzene and 1,1-dichloroethene. This estimate is one order of magnitude lower than was estimated using the 24-hour and 6-hour sample results, which were collected between 6 and 9 feet above the landfill surface. However, the integrated surface sample is also likely subject to the influence of background ambient air conditions.

It should be noted that Appendix C of the HRA Report evaluates potential carcinogenic health risks only. These estimates are derived based on exposure factors consistent with the RME onsite trespasser inhalation scenario, noting three exceptions (see Sections 3.1): 1) the ambient air exposure duration modeled for the RME onsite trespasser is assumed as 30 years, 2) the exposure time onsite is assumed as 8 hours/day, 3) average lifetime body weight is assumed as 70 kg.

3.6.1.2 NON-CARCINOGENIC RISKS

Using the four (4) exposure pathways studied (soil ingestion, soil dermal absorption, inhalation of landfill gas, and the inhalation of fugitive dust), the lifetime non-carcinogenic health hazard estimates for the RME on-site trespasser were calculated. These estimates are included on Table 3-5. This table indicates a total lifetime Health Hazard Index of $5E-03$. This sum of all the potential non-carcinogenic CDI/RfD ratios is significantly less than unity, suggesting that chronic non-carcinogenic health effects are not expected in the potentially exposed RME on-site trespasser.

Non-carcinogenic health hazard indices (HHI) using the ambient air data were not estimated. However, the total non-carcinogenic HHI for landfill gas using the "box model" results are so low ($2E-05$) that, even with a substantial increase in the estimated daily intake; the HHI using the ambient air data are anticipated to be significantly less than unity.

TABLE 3-5
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF CHRONIC HEALTH
HAZARD INDEX ESTIMATES
RME ON-SITE TRESPASSER

| CHEMICAL | SOIL INGESTION | DERMAL ABSORPTION | LANDFILL GAS INHALATION | FUGITIVE DUST INHALATION | TOTAL NONCANCER HHI |
|----------------------------|-------------------|----------------------|-------------------------------|--------------------------------|---------------------------|
| Chlorobenzene | -- | -- | 5E-07 | -- | 5E-07 |
| 1,4-Dichlorobenzene | -- | -- | 1E-07 | -- | 1E-07 |
| 1,1-Dichloroethane | -- | -- | 2E-08 | -- | 2E-08 |
| Diethyl Phthalate | 2E-08 | 6E-09 | -- | 3E-11 | 3E-08 |
| Di-n-butyl Phthalate | 1E-06 | 4E-07 | -- | 2E-09 | 1E-06 |
| Ethylbenzene | -- | -- | 1E-05 | -- | 1E-05 |
| Methylene Chloride | -- | -- | 1E-08 | -- | 1E-08 |
| Toluene | -- | -- | 4E-06 | -- | 4E-06 |
| 1,1,1-Trichloroethane | -- | -- | 6E-10 | -- | 6E-10 |
| Xylenes | -- | -- | 2E-06 | -- | 2E-06 |
| Chlordane | 3E-05 | 2E-05 | -- | --(1) | 5E-05 |
| O,P' - DDD | 2E-06 | 8E-07 | -- | 5E-09 | 3E-06 |
| P,P' - DDD | 1E-04 | 4E-05 | -- | 3E-07 | 1E-04 |
| P,P' - DDE | 3E-04 | 1E-04 | -- | 6E-07 | 4E-04 |
| O,P' - DDT | 2E-04 | 9E-05 | -- | 5E-07 | 3E-04 |
| P,P' - DDT | 4E-04 | 2E-04 | -- | 1E-06 | 6E-04 |
| Arsenic | 5E-04 | 2E-05 | -- | --(1) | 5E-04 |
| Barium | 2E-03 | 3E-04 | -- | 3E-05 | 2E-03 |
| Beryllium | 2E-06 | 8E-06 | -- | --(1) | 1E-05 |
| Cadmium | 1E-05 | 1E-05 | -- | --(1) | 2E-05 |
| Chromium | 1E-06 | 4E-06 | -- | 2E-07 | 5E-06 |
| Copper | 2E-05 | 1E-06 | -- | 6E-08 | 2E-05 |
| Mercury | 4E-05 | 2E-05 | -- | 1E-05 | 7E-05 |
| Nickel | 4E-05 | 3E-05 | -- | 3E-05 | 1E-04 |
| Zinc | 2E-05 | 2E-06 | -- | 3E-08 | 2E-05 |
| Total Noncancer HHI | 4E-03 | 8E-04 | 2E-05 | 7E-05 | 5E-03 |

(GV:9235:RAPTB3-5:5-9-91)

-- = Chemical was not detected in relevant environmental medium, and is, therefore, not evaluated in the exposure pathway.

(1) -- = Noncarcinogenic health criteria is not available for this compound for inhalation pathways.

3.6.2 ESTIMATED RISKS TO THE RME OFF-SITE RESIDENT

This section presents the results of the risk characterization for the RME individual who lives closest to and directly east (downwind during daylight hours) of the landfill property. The use of the nearest residential receptor is appropriate for this analysis since the chemical compounds are being emitted from a ground level source.

3.6.2.1 CARCINOGENIC RISKS

Table 3-6 presents the carcinogenic risk estimates for the RME off-site resident who is exposed via inhalation only. The lifetime cancer risk estimates in Table 3-6 indicate an excess lifetime cancer risk of $3E-10$ for the inhalation of the on-site soil gas that has migrated to this nearest off-site exposed individual, and an excess lifetime cancer risk of $3E-08$ for the RME off-site resident breathing fugitive dust that impacts this nearest residential location. The summary indicates a lifetime cancer risks of $3E-08$ to the RME off-site resident who is assumed to be the maximally impacted off-site receptor living in the study area.

Evaluation of other potential exposure pathways, such as ingestion of vegetables grown in backyards, is suggested by the California Air Pollution Control Officers Association (CAPCOA) only if the total lifetime cancer risk resulting from the inhalation exposure pathway exceeds $1.0 E-06$. Since the total lifetime cancer risk from the inhalation exposure pathway is only $3E-08$, no further exposure scenarios for the RME off-site resident were considered.

3.6.2.2 NON-CARCINOGENIC RISKS

The non-carcinogenic health hazard summary for the RME off-site resident receptor is presented in Table 3-7 for the two exposure pathways included in this scenario: inhalation of landfill gas, and the inhalation of fugitive dust. The

TABLE 3-6
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF LIFETIME CANCER
RISK ESTIMATES
RME OFF-SITE RESIDENT

| CHEMICAL | LANDFILL GAS INHALATION | FUGITIVE DUST INHALATION | TOTAL LIFETIME CANCER RISK |
|-----------------------------------|-------------------------------|--------------------------------|----------------------------------|
| Benzene | 6E-11 | --(1) | 6E-11 |
| 1,4-Dichlorobenzene | 4E-11 | -- | 4E-11 |
| 1,2-Dichloroethane | 2E-11 | -- | 2E-11 |
| 1,1-Dichloroethene | 1E-10 | -- | 1E-10 |
| Methylene Chloride | 2E-11 | -- | 2E-11 |
| Tetrachloroethene | 2E-12 | -- | 2E-12 |
| Trichloroethene | 2E-13 | -- | 2E-13 |
| Vinyl Chloride | 6E-11 | -- | 6E-11 |
| | | | |
| Aroclor 1254 | -- | 3E-10 | 3E-10 |
| Aroclor 1260 | -- | 3E-10 | 3E-10 |
| Chlordane | -- | 3E-12 | 3E-12 |
| O,P' - DDD | -- | 3E-13 | 3E-13 |
| P,P' - DDD | -- | 2E-11 | 2E-11 |
| P,P' - DDE | -- | 6E-11 | 6E-11 |
| O,P' - DDT | -- | 5E-11 | 5E-11 |
| P, P' - DDT | -- | 1E-10 | 1E-10 |
| | | | |
| Arsenic | -- | 3E-08 | 3E-08 |
| Beryllium | -- | 1E-10 | 1E-10 |
| Cadmium | -- | 8E-11 | 8E-11 |
| | | | |
| Total Lifetime Cancer Risk | 3E-10 | 3E-08 | 3E-08 |

(Gardena Valley:90102-8500:TBL3-6:5-10-91)

(1) -- = Chemical was not detected in relevant environmental medium, and is therefore not evaluated in the exposure pathway.

TABLE 3-7
GARDENA VALLEY 1 & 2 LANDFILL
SUMMARY OF CHRONIC HEALTH
HAZARD INDEX ESTIMATES
RME OFF-SITE RESIDENT

| CHEMICAL | LANDFILL GAS INHALATION | FUGITIVE DUST INHALATION | TOTAL NONCANCER HHI |
|----------------------------|-------------------------------|--------------------------------|---------------------------|
| Chlorobenzene | 5E-08 | -- | 5E-08 |
| 1,4-Dichlorobenzene | 1E-08 | -- | 1E-08 |
| 1,1-Dichloroethane | 2E-09 | -- | 2E-09 |
| Diethyl Phthalate | --(1) | 2E-11 | 2E-11 |
| Di-n-butyl Phthalate | -- | 1E-09 | 1E-09 |
| Ethylbenzene | 1E-06 | -- | 1E-06 |
| Methylene Chloride | 1E-09 | -- | 1E-09 |
| Toluene | 4E-07 | -- | 4E-07 |
| 1,1,1-Trichloroethane | 6E-11 | -- | 6E-11 |
| Xylenes | 2E-07 | -- | 2E-07 |
| O,P' - DDD | -- | 3E-09 | 3E-09 |
| P,P' - DDD | -- | 1E-07 | 1E-07 |
| P,P' - DDE | -- | 3E-07 | 3E-07 |
| O,P' - DDT | -- | 3E-07 | 3E-07 |
| P,P' - DDT | -- | 6E-07 | 6E-07 |
| Barium | -- | 2E-05 | 2E-05 |
| Chromium | -- | 1E-07 | 1E-07 |
| Copper | -- | 3E-08 | 3E-08 |
| Mercury | -- | 5E-06 | 5E-06 |
| Nickel | -- | 2E-05 | 2E-05 |
| Zinc | -- | 2E-08 | 2E-08 |
| Total Noncancer HHI | 2E-06 | 5E-05 | 5E-05 |

(GV:9235:RAPTB3-7:5-9-91)

(1) -- = Chemical was not detected in relevant environmental medium, and is, therefore, not evaluated in the exposure pathway.

health hazard indices summarized in Table 3-7 show a total lifetime health hazard index of $5E-05$. This sum of all the potential non-carcinogenic CDI/RFD ratios is over four orders of magnitude less than unity suggesting that chronic non-carcinogenic health effects would not be expected to occur in the potentially the exposed RME off-site resident.

3.7 SUMMARY

The baseline health risk assessment (HRA) was prepared to assess the potential risks to human health posed by the chemical compounds detected in the wastefill operable unit for a portion of the Gardena Valley 1 & 2 Landfill located in Carson, California. The chemicals included in this baseline HRA have been detected in on-site cover soil, landfill gas, and ambient air.

Lifetime carcinogenic and non-carcinogenic health risks were estimated for each of the identified exposure pathways. An upper-bound lifetime cancer risk of $3E-06$ or 3 cases of cancer per one-million individuals for the RME on-site trespasser scenario has been estimated. An increased cancer risk of one case per one million individuals is considered "significant". Approximately 30 percent of the estimated lifetime cancer risk is contributed by the ingestion of arsenic in cover soil ($9E-07$). The non-carcinogenic health hazard indices suggest that non-carcinogenic health risks are not expected to occur in a population potentially exposed in a manner consistent with the RME on-site trespasser scenario.

Estimates of potential health risks derived for the RME off-site resident indicate substantially lower lifetime cancer risks than those estimated for the RME on-site trespasser. A negligible total lifetime cancer risk of $3E-08$ (three in one-hundred million) is estimated for this off-site individual located nearest to the landfill. Essentially, all of the excess lifetime cancer risk is attributable to the inhalation of dust containing arsenic. The non-carcinogenic health risks for the RME off-site resident are also judged to be negligible as derived in this analysis.

These health risk estimates are derived on the basis of extremely health conservative assumptions included throughout the baseline analysis. The assumptions represent intentional overestimates of potential chemical exposure,

and are made at every stage of the baseline HRA, including the derivation of representative chemical concentrations in the various environmental media, the estimation of exposure point concentrations, and the estimation of actual chronic daily intake of the potentially exposed individuals. These assumptions are compounded throughout the analysis, resulting in risk estimates which are likely to be overestimates of the actual carcinogenic and non-carcinogenic risks.

The baseline HRA also assumes conservatively that no remediation takes place at the site. Therefore, the two (2) exposure scenarios used in the HRA are considered worst case since the site will be remediated and developed as specified in the Consent Agreement dated April 18, 1989, which was signed between London Pacific Investments and Department of Health Services.

As part of the remediation process, the risks derived from the baseline HRA were used in the feasibility study to evaluate appropriate remedial options which will eliminate or reduce exposure pathways cited in the HRA.

A summary of the findings of the Feasibility Study has been included as Section 4.0 of this Remedial Action Plan.

3.8 CONCLUSIONS

The conclusion of the HRA can be summarized as follows:

- o The increased cancer risk posed by the site to a typical off-site receptor is not significant.
- o The increased cancer risk posed by the site to a long-term on-site trespasser is significant.
- o The significant increased cancer risk for the on-site trespasser is posed predominantly by ingestion of existing cover soils over a period of 15 years.
- o Therefore, this risk should be mitigated during the site remediation.

SECTION 4.0

SUMMARY OF FEASIBILITY STUDY FINDINGS

4.0 SUMMARY OF FEASIBILITY STUDY FINDINGS

The Wastefill Operable Unit Feasibility Study (FS) and addendum involved the identification, screening and evaluation of the potentially feasible remedial technologies and alternatives capable of mitigating concerns regarding the following three general media:

- o cover soils/runoff medium
- o wastefill/leachate medium
- o landfill/gas medium

4.1 DEVELOPMENT OF REMEDIAL ALTERNATIVES

Results of the Remedial Investigation (RI) and Baseline Health Risk Assessment (HRA) were used to identify the media of concern at the site, and to develop remediation goals for those media. Based on the findings of the RI and HRA, specific remediation goals were developed during the FS process. These goals are outlined as follows:

- o **Cover Soils/Runoff Medium**

A reduction of the mobility of contaminated cover soils to prevent its ingestion and/or dermal absorption; or a reduction in the toxicity of the cover soils by remediating the contaminants as necessary.

- o **Wastefill/Leachate Medium**

A reduction of the potential for infiltration of rainwater into the wastefill, thereby reducing the potential future mobility of the wastefill contaminants.

- o **Landfill Gas Medium**

A controlled reduction of the mobility, volume, and toxicity of the landfill gas (LFG) by collecting and destroying it before it can migrate off-site and collect in confined or enclosed areas.

TABLE 4-1
REMEDIAL TECHNOLOGIES/PROCESS OPTIONS

| MEDIA | REMEDIAL TECHNOLOGIES | PROCESS OPTIONS |
|--------------------|-------------------------------------|--|
| Cover Soils/Runoff | No Action | No Action |
| | Access Restrictions | Site Fencing Deed Restrictions- |
| | Capping | Monolithic Caps Multilayer Caps |
| | Onsite Treatment | Incineration Stabilization Solvent Extraction |
| | Offsite Treatment | Incineration MSW Incineration |
| | Disposal | Landfilling |
| Wastefill/Leachate | No Action | No Action |
| | Vertical Containment | Monolythic Caps Multilayer Caps |
| | Horizontal and Vertical Containment | Slurry Wall Grout Curtain Slurry Injection |
| | Onsite Treatment | Incineration Stabilization Solvent Extraction |
| | Offsite Treatment | Incineration MSW Incineration |
| | Disposal | Landfilling |
| Landfill Gas | No action | No Action |
| | Vertical Containment | Capping |
| | Horizontal Containment | Slurry Wall Grout Curtain Slurry Injection |
| | Collection and Treatment | Vertical Well System Horizontal Cover System Combined System Flaring Energy Recovery Purification and Resale Carbon Adsorption |

(GVCOV1&2:9235:TBL41:3-24-92)

The process involved in developing remedial action alternatives for this FS can be summarized as follows:

- o General response actions for each medium of concern were developed. General response actions describe those activities conducted that satisfy the remedial action objectives (remediation goals) for each medium.
- o The various remedial technologies to address each response action were then identified and explored. A "remedial technology" is a broad grouping of similar remedial process options. For example, if the general remedial action goal is to isolate or limit the mobility of the wastefill medium, then containment would be an appropriate general response action to meet that specific goal. Capping of the wastefill would be one possible remedial technology to achieve containment.
- o After remedial technologies were identified process options for each remedial technology were developed. Various landfill cover designs would be the process options for the capping remedial technology.
- o The process options for each remedial technology were then evaluated in a preliminary screening for technical feasibility, effectiveness, implementability, cost and end-use suitability. Table 4-1 summarizes some of the Remedial Technologies and Process Options considered for the site media.
- o Media specific process options which survive the preliminary evaluation and screening were then grouped into all possible remediation alternatives which address the entire site. Seven (7) alternatives were developed during the FS process as follows:

- ALTERNATIVE 1

A multi-layer cover with two (2) low permeability layers, one of clay and one of High Density Polyethylene (HDPE), with a combined horizontal and vertical gas collection system leading to a landfill gas flare.

- ALTERNATIVE 2

A multi-layer cover with one (1) low permeability layer of HDPE, combined with a horizontal and vertical gas collection system leading to a landfill gas flare.

- ALTERNATIVE 3

A multi-layer cover with one (1) low permeability layer of clay, and a combined horizontal and vertical gas collection system leading to a landfill gas flare.

- ALTERNATIVE 4

A multi-layer cover consisting of two (2) low permeability layers, one of asphalt and one of HDPE, with a combined horizontal and vertical gas collection system leading to a landfill gas flare.

- ALTERNATIVE 5

A multi-layer cover with one (1) low permeability layer of asphalt, and a combined horizontal and vertical gas collection system leading to a landfill gas flare.

- ALTERNATIVE 6

No Action. This alternative is required so that a comparison can be made between the results of the various alternatives and the present site situation.

- ALTERNATIVE 7

A multi-layer cover with two (2) low permeability layers, one of clay and the other layer of asphalt, for compatibility with the planned site end-use and a combined horizontal and vertical gas collection system leading to a landfill gas flare. This cover option was recommended by DTSC technical staff during a meeting on May 2, 1991 with BAS staff.

- ALTERNATIVE 8

A multi-layer cover with two (2) low permeability layers, one of clay and the other layer of asphalt, for compatibility with the planned site end-use and a combined horizontal and vertical gas collection system leading to a landfill gas flare. This cover option is a variation of the option included in Alternative 7 and was presented in the addendum to the Feasibility Study Report. The addendum was prepared due to concerns regarding the implementability of the previous alternatives.

4.2 EVALUATION CRITERIA

Nine (9) evaluation criteria for the selection and evaluation of remedial alternatives have been developed by EPA to address all CERLA requirements and considerations, as well as the technical and policy considerations. These evaluation criteria serve as the basis for conducting a detailed analysis and evaluation during the FS for the ultimate selection of an appropriate remedial action. The evaluation criteria are listed as follows:

- o Overall protection of human health and the environment.
- o Compliance with ARARs.
- o Long-term effectiveness and permanence.
- o Reduction of toxicity, mobility, or volume.
- o Short-term effectiveness.
- o Implementability.

- o Cost.
- o State Regulatory Agency acceptance.
- o Community acceptance.

Overall protection of human health and the environment and the compliance with all Applicable or Relevant and Appropriate Requirements (ARARs) are considered to be the "threshold criteria". Since no alternative can be implemented unless it satisfies these criteria, they serve as the basis for screening the selected remedial action alternatives.

Each remedial action alternative which satisfied the threshold criteria was then evaluated further in accordance with the remaining criteria listed.

4.3 END-USE CONSIDERATIONS

After evaluation against the nine (9) CERCLA criteria, an additional evaluation was performed based upon each alternatives compatibility with the planned site end-use. The existing zoning at Gardena Valley 1 & 2 allows for commercial development and various on-site industrial uses. The Consent Agreement, under which this FS is being conducted, contemplates that this site would be developed commercially. In order to preserve future site development options, the selected remedial action technologies should be effectively integrated into the proposed end-use of the site while at the same time, protecting public health and the environment.

4.4 DESCRIPTION OF REMEDIAL ALTERNATIVES

There are three (3) primary media of concern which have been identified at the Gardena Valley 1 & 2 Landfill. These are the **Cover Soil/Runoff** medium, the **Wastefill/Leachate** medium, and the **Landfill Gas** medium. These media are defined, in depth, in the Remedial Investigation (RI) Report and the Health Risk Assessment (HRA) for the wastefill operable unit.

The eight (8) remediation alternatives were developed by arranging the available treatment technology options for each of the media of concern into all possible combinations.

There were seven (7) cover options found suitable for remediation of the wastefill/leachate media which address the concerns regarding the surface soil/runoff media as well. - These options are as follows: 1) A multi-layer HDPE and clay cap (composite), 2) A multi-layer asphalt and HDPE cap, 3) A multi-layer clay cap, 4) A multi-layer asphalt and HDPE cap, 5) A multi-layer asphalt cap, 6) A multi-layer clay and asphalt cap and, 7) a revised multilayer clay and asphalt cap. Each of these cover options would have adequately achieve the remediation goal for the cover soils by reducing contaminant mobility and eliminating the ingestion and/or the dermal absorption exposure pathways.

Evaluation of the cover options with respect to the wastefill/leachate medium was based upon how well each achieves the remediation goal of reducing infiltration into the wastefill. There was, however, only one option discussed for remediation of the landfill gas media of concern. This was a combined horizontal/vertical landfill gas collection system in conjunction with a landfill gas flare.

o **ALTERNATIVE 1**

This alternative involves the capping of the landfill using a multi-layer cover design with an HDPE synthetic membrane as the first low permeability layer and a clay layer as the second low permeability layer. This would serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. It also included the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative would substantially reduce surface emissions, and when combined with the installation of vertical perimeter gas extraction wells for the collection of landfill gas, it can effectively reduce horizontal migration of gases from the landfill. The subsequent treatment of the collected gas using this alternative was through "flaring" at a permitted landfill gas flare located onsite.

o **ALTERNATIVE 2**

This alternative involves the capping of the landfill using a multi-layer cover design with an HDPE flexible membrane as the low permeability layer. This would serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. It also included the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative would reduce surface emissions and, when combined with the installation of vertical perimeter gas extraction wells for the collection of landfill gas, can effectively reduce horizontal migration of gases from the landfill. The subsequent treatment of the collected gas using this alternative was also through its destruction by "flaring".

o **ALTERNATIVE 3**

This alternative involves capping the landfill with a multi-layer cover design using a clay layer as the low permeability layer. This would serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. It also included the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative would substantially reduce surface emissions and, when combined with the installation of vertical perimeter gas extraction wells to control and collect landfill gas, can effectively reduce its horizontal migration from the landfill. The most effective treatment of the collected landfill gas was by "flaring".

o **ALTERNATIVE 4**

This alternative involves capping the landfill using a multi-layer cover design with an asphalt layer as the first low permeability layer and an HDPE synthetic membrane as the second low permeability layer. This would serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. It also includes the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative would substantially reduce surface emissions and, when combined

with the installation of vertical perimeter gas extraction wells for the collection and control of landfill gas, can effectively reduce horizontal migration of gases from the landfill. The subsequent treatment of the collected gas using this alternative would also be through "flaring".

o **ALTERNATIVE 5**

This alternative involves capping the landfill using a multi-layer cover design with an asphalt layer as the low permeability layer in the parking areas and a synthetic membrane as the low permeability layer beneath landscaped areas and on-site buildings. This would serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. It also includes the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative also substantially reduces the surface emissions and, when combined with the installation of vertical perimeter gas extraction wells for the collection of landfill gas, can effectively reduce horizontal migration of gas from the landfill. The subsequent treatment of the collected gas using this alternative would be by "flaring".

o **ALTERNATIVE 6**

This alternative is the "No Action" alternative. This alternative in no way directly addresses the media of concern or achieves the remediation goals for this site. However, it is required that the "No Action" alternative be considered during the comparison of all feasible alternatives. Therefore, this alternative was carried forward through the evaluation process.

o **ALTERNATIVE 7**

This alternative involves the capping of the landfill using a multi-layer cover design with a buried clay layer and a surface asphalt layer acting as the low permeability layers. This will serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. A synthetic membrane will be used beneath onsite buildings and landscaped areas. It also includes the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative will reduce the surface emissions

and, when combined with the installation of vertical perimeter gas extraction wells for the collection of landfill gas, will also effectively reduce horizontal migration of gases from the landfill. The preferred treatment of the collected gas using this alternative is through thermal destruction of the volatile components in a permitted on-site flare.

o **ALTERNATIVE 8 (* THE PREFERRED ALTERNATIVE)**

The preferred alternative involves the capping of the landfill using a multi-layer cover design with a buried clay layer and a surface asphalt layer acting as the low permeability layers. This will serve to mitigate both the Cover Soils/Runoff medium of concern and the Wastefill/Leachate medium of concern. A synthetic membrane will be used beneath onsite buildings and landscaped areas. It also includes the integration of a horizontal gas collection system into the cover for collection of the landfill gas. This alternative will reduce the surface emissions and, when combined with the installation of vertical perimeter gas extraction wells for the collection of landfill gas, will also effectively reduce horizontal migration of gases from the landfill. The preferred cover alternative varies from the Alternative 7 in that the overall cover thickness has been reduced and the horizontal gas venting system has been modified. The preferred treatment of the collected gas using this alternative is through thermal destruction of the volatile components in a permitted on-site flare.

4.5 ANALYSIS FACTORS OF EACH REMEDIAL ALTERNATIVE

The following section will present an overview of the information and criteria used to evaluate and select the **Preferred Alternative**:

The analysis consisted of the following components:

- o An analysis of each alternative with respect to the evaluation criteria independent of the other alternatives.
- o A comparative analysis among the alternatives to assess the relative performance of the alternatives with respect to each evaluation criterion.

- o The practicality of each alternative with respect to:
 - Public acceptance
 - Permittability
 - Regulatory compliance
 - Cost

The evaluation criteria used to assess each selected alternative are listed as follows:

- o Overall Protection of Human Health and Environment
- o Compliance with ARARs and/or Require Special Permits or Waivers from Certain Agencies
- o Long-Term Effectiveness and Permanence
- o Reduction of Toxicity, Mobility, or Volume Through Treatment
- o Short-Term Effectiveness
- o Implementability
- o Cost

After comparison to these criteria, a further comparison was performed regarding each alternatives compatibility with the proposed site end-use.

4.6 COMPARATIVE ANALYSIS METHOD

In these analyses, the effectiveness of the listed alternatives in satisfying each specific criteria was compared. To simplify this comparison and to provide a basis for evaluating the overall effectiveness of each alternative, a rating system was developed in which the value 5 indicated **most satisfactory** and 0 indicated **unsatisfactory**. Each of the rating values are described as follows:

NUMERICAL EVALUATION RATING

- 0 **Undesirable** - Does not satisfy the criterion; generally will only be used in the "No Action" alternative.

- 1 **Least Desirable** - Barely satisfies the criterion; in terms of cost, the least cost-effective.

- 2 **Less Desirable** - Satisfies the criterion only with many significant qualifications.

- 3 **Desirable** - Satisfies the criterion with average qualifications and average effectiveness.

- 4 **Very Desirable** - Satisfied the criterion with only few qualifications.

- 5 **Most Desirable** - Completely satisfies the criterion with no qualifications; in terms of cost, the most cost-effective.

The results of the analyses are presented in Tables 4-2 and 4-3 and are summarized below:

- o **Overall Protection of Human Health and the Environment**

Alternatives, 1, 2, 3, 4, 5, 7, and 8 all effectively mitigate the exposure pathways of concern identified in the Baseline HRA. Therefore, all of these alternatives received a score of 4.

- o **Compliance with ARARs**

Alternatives 1 through 5, 7, and 8 comply with ARARs identified, as long as the proper permitting and operation and maintenance procedures are followed. Due to the permitting and post-closure care qualifications given, Alternatives 1 through 5, 7, and 8 received a score of three. The "No Action" alternative does not comply with all ARARs and has, therefore, been given a score of zero.

**TABLE 4-2
COMPARATIVE ANALYSIS OF ALTERNATIVES
VERSUS EPA EVALUATION CRITERIA**

| CRITERION | ALTERNATIVE | | | | | | | |
|---|---------------------------------|----------------------------|----------------------------|---------------------------------|-------------------------------|--------------|---------------------------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | HDPE/CLAY COVER AND FLARE | HDPE COVER AND FLARE | CLAY COVER AND FLARE | A.C./HDPE COVER AND FLARE | ASPHALT COVER AND FLARE | NO ACTION | CLAY/A.C. COVER AND FLARE | REVISED CLAY/A.C. COVER AND FLARE |
| 1. Overall Protection of Human Health and the Environment | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 4 |
| 2. Compliance with ARARs. | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 3. Long-Term Effectiveness. | 4 | 2 | 2 | 3 | 3 | 0 | 3 | 3 |
| 4. Reduction of Toxicity, Mobility, or Volume. | 4 | 2 | 2 | 3 | 3 | 0 | 3 | 3 |
| 5. Short-Term Effectiveness. | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| 6. Implementability. | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 3 |
| 7. Cost. | 2 | 3 | 2 | 2 | 3 | 5 | 2 | 2 |
| SUB-TOTAL | 22 | 19 | 18 | 20 | 21 | 9 | 21 | 21 |
| 8. State Acceptance. | | | | | | | | |
| 9. Community Acceptance. | | | | | | | | |

(GVRAP:9174:TBL42:5-1-92)

**TABLE 4-3
COMPARATIVE ANALYSIS OF ALTERNATIVES
VERSUS EPA CRITERIA AND SITE END-USE**

| CRITERION | ALTERNATIVE | | | | | | | |
|---|---------------------------------|----------------------------|----------------------------|---------------------------------|-------------------------------|--------------|---------------------------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | HDPE/CLAY COVER AND FLARE | HDPE COVER AND FLARE | CLAY COVER AND FLARE | A.C./HDPE COVER AND FLARE | APSHALT COVER AND FLARE | NO ACTION | CLAY/A.C. COVER AND FLARE | REVISED CLAY/A.C. COVER AND FLARE |
| 1. Overall Protection of Human Health and the Environment | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 4 |
| 2. Compliance with ARARs. | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 3. Long-Term Effectiveness. | 4 | 2 | 2 | 3 | 3 | 0 | 3 | 3 |
| 4. Reduction of Toxicity, Mobility, or Volume. | 4 | 2 | 2 | 3 | 3 | 0 | 3 | 3 |
| 5. Short-Term Effectiveness. | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| 6. Implementability. | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 3 |
| 7. Cost. | 2 | 3 | 2 | 2 | 3 | 5 | 2 | 2 |
| SUB-TOTAL | 22 | 19 | 18 | 20 | 21 | 9 | 21 | 21 |
| End-use Suitability | 0 | 0 | 0 | 3 | 3 | 0 | 4 | 5 |
| SUB-TOTAL | 22 | 19 | 18 | 23 | 24 | 9 | 25 | 26 |
| 8. State Acceptance. | | | | | | | | |
| 9. Community Acceptance. | | | | | | | | |

(GVRAP:9174:TBL43:5-1-92)

**TABLE 4-4
ANALYSIS OF CRITERION NO. 7:
ESTIMATED COST**

| ALTERNATIVE | PROCESS OPTION | CAPITAL COST | PRESENT WORTH O&M COST (30 YEARS) | TOTAL COST |
|---|--------------------|------------------|-----------------------------------|-------------|
| 1. Multi-layer HDPE/Clay Cover and Gas Collection System with Flare. | HDPE/Clay Cover | \$2,700,000 | \$450,000 | \$4,500,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$3,100,000 | \$1,400,000 | |
| 2. Multi-layer HDPE cover and Gas Collection System with Flare. | HDPE Cover | \$2,200,000 | \$450,000 | \$4,000,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$2,600,000 | \$1,400,000 | |
| 3. Multi-layer Clay Cover and Gas Collection System with Flare. | Clay Cover | \$2,600,000 | \$600,000 | \$4,550,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$3,000,000 | \$1,550,000 | |
| 4. Multi-layer Asphalt/HDPE Cover and Gas Collection System with Flare. | Asphalt/HDPE Cover | \$2,500,000 | \$1,000,000 | \$4,850,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$2,900,000 | \$1,950,000 | |
| 5. Multi-layer Asphalt Cover and Gas Collection System with Flare. | Asphalt Cover | \$1,500,000 | \$1,000,000 | \$3,850,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$1,900,000 | \$1,950,000 | |
| 6. No Action | No Action | N/A | N/A | N/A |
| 7. Multi-layer Clay/Asphalt Cover and Gas Collection System with Flare. | Clay/Asphalt Cover | \$2,500,000 | \$1,000,000 | \$4,850,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$2,900,000 | \$1,950,000 | |
| 8. Proposed Alternative Multi-layer 15" Clay/Asphalt Cover and Gas Collection System with Flare. | Clay/Asphalt Cover | \$2,200,000 | \$1,000,000 | \$4,550,000 |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$2,600,000 | \$1,950,000 | |

Notes:

(GVRAP:9235:TBL44:5-1-92)

- Operational costs are based on a 30-year lifetime.
- Costs shown represent preliminary estimates. Cost variation can be from -30% to +50%.
- Total costs shown are rounded to two significant figures due to the accuracy of the estimate.
- Examples of assumptions made during this cost estimate, and their potential affect on its accuracy, include, but are not limited to, those shown on Table 4-5.
- For comparison, the costs shown are based on covering the entire site with the cover option listed. Costs for design and construction of a separate cover sequence beneath the onsite buildings and isolation of the caissons are not included.

**TABLE 4-5
COST SENSITIVITY ANALYSES**

| VARIABLE ELEMENT | ASSUMED | POTENTIAL RANGE | | TOTAL IMPACT | | IMPACTED ALTERNATIVES |
|---|-------------------|-------------------|-------------------|-------------------------|-------------------------|-----------------------|
| | | LOW | HIGH | DECREASE | INCREASE | |
| O&M | | | | | | |
| Unit Fuel Price (Flare) | \$0.61 / gal | \$0.61 / gal | \$0.83 / gal | NONE | \$110,000 (10 years) | 1 thru 5, 7, and 8 |
| Fuel Volume Required (Flare) | 50,000 gal / year | 34,000 gal / year | 72,000 gal / year | \$100,000 (10 years) | \$130,000 (10 years) | 1 thru 5, 7, and 8 |
| Years of Operation (Flare) | 10 years | 5 years | 30 years | \$150,000 | \$600,000 | 1 thru 5, 7, and 8 |
| Years of Operation (Collection) | 10 years | 5 years | 30 years | \$125,000 | \$500,000 | 1 thru 5, 7, and 8 |
| Asphalt Cracking Maintenance (Percent of Total Area) | 1% / year | .5% / year | 5% / year | \$65,000 (30 years) | \$520,000 (30 years) | 4, 5, 7, and 8 |
| Asphalt Replacement | \$0.70 / ft. | \$0.50 / ft. | \$2.00 / ft. | \$40,000 (30 years) | \$240,000 (30 years) | 4, 5, 7, and 8 |
| CONSTRUCTION | | | | | | |
| Required Import Soil Quantities | 50,000 cy | 25,000 cy | 80,000 cy | \$150,000 | \$180,000 | 1 thru 5, 7, and 8 |
| Unit Cost of Import Soil | \$6.00 / cy | \$0 / cy | \$8.00 / cy | \$300,000 | \$100,000 | 1 thru 5, 7, and 8 |
| Unit Cost of Clay | \$17.50 / cy | \$8.00 / cy | \$22.00 / cy | \$450,000 | \$211,500 | 1, 3, 7, and 8 |

(GVRAP:TBL45-5-1-92)

o **Long-Term Effectiveness**

Alternative 1 was the most effective. However, because small amounts of infiltration continued, this alternative received a score of 4. Alternatives 4, 5, 7, and 8 were the next most effective, and therefore, received a score of 3. Alternative 2 and 3 were the least effective cover alternatives and, therefore, received a score of 2. The "No Action" alternative received a score of zero because the long-term effects due to the landfill were not addressed.

o **Reduction of Toxicity, Mobility, or Volume**

Alternative 1 was the most effective at reducing mobility of the landfill contaminants, and therefore, received a score of 4. Alternatives 4, 5, 7, and 8 were the next most effective, each receiving a score of 3, while 2 and 3 were the least effective cover alternatives, each receiving a score of 2. "No Action" does not address the toxicity, mobility or volume of the on-site contamination and, therefore, received a score of zero.

o **Short-Term Effectiveness**

Dust control, emissions from trenching, and relocation of the drill cuttings during the implementation of Alternatives 1 through 5, 7, and 8 are concerns during construction. Therefore, Alternatives 1 through 5, 7, and 8 received a score of 3.

o **Implementability**

All of the alternatives are considered to be implementable with the exception of the "No Action" alternative. However, DTSC and SCAQMD approval and permits must be obtained before closure operations can begin. Therefore, Alternatives 1 through 5 received a score of two (2). Alternatives 7 and 8, which make use of the cover option considered by DTSC technical staff to be the most appropriate for this landfill, received a score of three (3). The "No Action" alternative would require DTSC approval which is unlikely. Therefore, this alternative is not considered to satisfy this criterion and received a score of zero.

o **Cost**

A detailed cost analysis was performed to evaluate each remediation alternative. For this analysis, the estimated costs are based upon previous experience, discussions with contractors and equipment manufacturers, and the treatment descriptions and cover sequences previously described.

The accuracy of the costs used in this study may vary from -30% to +50%. That is, if the estimated cost is given as \$100, the actual cost is expected to be between \$70 and \$150. The same cost is used for the same process option in each alternative. Only those costs which pertain directly to the site remediation were considered for this estimate. Costs for site development and improvement are not considered. Table 4-4 lists the total capital and yearly operation and maintenance costs of each alternative for comparison. A cost sensitivity analysis, which includes the various critical assumptions made for the cost estimate, has been included in Table 4-5.

The costs of the alternatives were all of the same magnitude. However, for the purpose of this comparison they have been ranked. Alternatives 2 and 5 each cost approximately \$4,000,000. Alternatives 1, 3, 4, 7, and 8 each cost between \$4,500,000 and \$4,850,000. Therefore, Alternatives 2 and 5 received a score of 3 and Alternatives 1, 3, 4, and 7 received a score of 2. The "No Action" alternative received a score of 5 as the least costly alternative.

o **Evaluation of Alternatives Versus Site End-Use Suitability**

Some considerations must be made in order to develop the site while at the same time meeting the remediation goals for the site. These considerations include: the isolation of the caissons, the gas collection system, and the placement of a synthetic membrane layer beneath on-site buildings and in landscaped areas. However, these special considerations would also have a positive effect on the site development by preventing the buildup of landfill gas in enclosed spaces, and preventing excess draw down loads on the caissons. Therefore, Alternatives 4 and 5 received a score of 3. Alternative 7, which does not require a specially designed and produced asphalt mix received a score of 4.

Alternative 8, which is more more conducive to site development received a score of 5. The Alternatives 1, 2, 3, and the "No Action" alternative have no site development provisions and, therefore, received a score of zero.

4.7 CONCLUSIONS

In summary, the conclusions of the Feasibility Study Report are as follows:

- o Three media of concern are present at the site which need to be remediated; cover soil/runoff, wastefill/leachate, and landfill gas.
- o There are eight remedial action alternatives which are technically feasible and can address the concerns posed by the above listed media.
- o Based on comparison to EPA evaluation criteria alone, the seven remedial alternatives can be ranked in descending order of preference as follows:
 - HDPE/Clay Cover and Flare
 - Asphalt Cover and Flare
 - Revised Clay/Asphalt Cover and Flare
 - Clay/Asphalt Cover and Flare
 - Asphalt/HDPE Cover and Flare
 - HDPE Cover and Flare
 - Clay Cover and Flare
 - No Action
- o Based on comparison to EPA evaluation criteria and Site End-use Considerations, the eight remedial alternatives can be ranked in descending order of preference as follows:
 - Revised Clay/Asphalt Cover and Flare
 - Clay/Asphalt Cover and Flare
 - Asphalt Cover and Flare
 - Asphalt/HDPE Cover and Flare
 - HDPE/Clay Cover and Flare

- HDPE Cover and Flare
 - Clay Cover and Flare
 - No Action
- o It should be noted that the FS makes no conclusions as to a preferred alternative. It serves only as a study from which this determination can be made in the Remedial Action Plan.

APPENDIX B
STATISTICAL DATA TABLES

**TABLE B-1
COMPARISON OF BCL AND BAS
LANDFILL COVER SURFACE SOIL
ANALYSES DATA**

| COMPOUND (b) | BCL (a) | | | BAS | | |
|--|------------------|------------------|-------------|------------------|------------------|-------------|
| | MINIMUM DETECTED | MAXIMUM DETECTED | AVERAGE (c) | MINIMUM DETECTED | MAXIMUM DETECTED | AVERAGE (c) |
| TOTAL PRIORITY POLLUTANT METALS (mg/Kg) | | | | | | |
| Arsenic | 14 | 32 | 25 | 9.7 | 23.7 | 19.23 |
| Barium (d) | 101 | 1,460 | 330.29 | NA | NA | - |
| Beryllium | ND | ND | - | 0.5 | 0.6 | 0.53 |
| Cadmium | ND | ND | - | 1.5 | 1.5 | 0.64 |
| Chromium (Total) | 11.5 | 102 | 35.54 | 12.4 | 77.3 | 32.6 |
| Copper | 12.8 | 109 | 44.87 | 18.1 | 144 | 62.46 |
| Lead | 14 | 259 | 59.63 | 4.2 | 231 | 55.01 |
| Mercury | 0.2 | 3.5 | 0.63 | 18.5 | 18.5 | 2.86 |
| Nickel | 6.6 | 21.8 | 16.69 | 8.6 | 41.1 | 17.23 |
| Zinc | 52.5 | 138 | 99.40 | 31.6 | 318 | 121.03 |
| PESTICIDES/PCBs (mg/Kg) | | | | | | |
| O,P' - DDD | 0.055 | 0.055 | 0.055 | ND | ND | - |
| P,P' - DDD | 0.051 | 0.23 | 0.042 | 13 | 13 | 1.87 |
| P,P' - DDE | 0.02 | 0.16 | 0.025 | 0.05 | 32 | 4.68 |
| P,P' - DDT | 0.0088 | 2.06 | 0.200 | 0.27 | 65 | 9.51 |
| O,P' - DDT | ND | ND | - | 0.063 | 15 | 2.16 |
| Aroclor 1254 | 1.65 | 1.65 | 0.289 | 0.83 | 0.83 | 7.38 |
| Aroclor 1260 | ND | ND | - | 0.74 | 1.4 | 7.49 |
| Chlordane | ND | ND | - | 0.088 | 0.088 | 7.3 |
| SEMI-VOLATILE ORGANICS (mg/Kg) | | | | | | |
| Diethyl Phthalate | 0.6 | 0.6 | 4.56 | ND | ND | - |
| Di-n-Butyl Phthalate | 0.53 | 20 | 3.83 | ND | ND | - |

(GVRAP:9235/TBLB-1:3-30-92)

- (a) Samples at S-4 collected to the depth of 6 ft.
- (b) ND = Not detected at laboratory detection limits.
NA = Not analyzed.
- (c) For the purpose of calculating average concentrations, ND compounds are assumed to be present in concentrations equal to their respective laboratory detection limits.
- (d) Barium is not a "Priority Pollutant Metal". However, it is on the list of "California Code of Regulations" metals.

**TABLE B-2
COMPARISON OF BCL AND BAS WASTEFILL
ANALYSES DATA**

Page 1 of 2

| COMPOUND (a,b) | BCL | | | BAS | | |
|--|------------------|------------------|-------------|------------------|------------------|-------------|
| | MINIMUM DETECTED | MAXIMUM DETECTED | AVERAGE (b) | MINIMUM DETECTED | MAXIMUM DETECTED | AVERAGE (b) |
| TOTAL PRIORITY POLLUTANT METALS (mg/Kg) | | | | | | |
| Antimony | 3.5 | 7.0 | 3.29 | 3.1 | 3.1 | 3.03 |
| Arsenic | 14 | 27 | 21.57 | 8.6 | 18.2 | 14.23 |
| Barium (c) | 148 | 371 | 212.71 | NA | NA | - |
| Cadmium | 1.1 | 3.3 | 1.76 | 0.9 | 9.4 | 4.65 |
| Chromium (Total) | 24.8 | 254 | 63.2 | 28.5 | 66.1 | 46.03 |
| Copper | 65.2 | 118 | 82.76 | 85.6 | 825 | 343.65 |
| Lead | 22 | 279 | 127 | 123 | 372 | 252.25 |
| Mercury | 0.3 | 9.8 | 2.30 | 0.63 | 1.5 | 0.80 |
| Nickel | 14.3 | 48.4 | 24.34 | 18.2 | 39.3 | 28.85 |
| Selenium | ND | ND | - | 1.0 | 1.0 | 1.0 |
| Silver | ND | ND | - | 1.2 | 2.5 | 1.6 |
| Thallium | ND | ND | - | 1.0 | 1.0 | 1.0 |
| Zinc | 79 | 3,080 | 711 | 365 | 768 | 523.25 |
| CCR METALS, SOLUBLE (mg/L) | | | | | | |
| Arsenic | 0.19 | 0.22 | 0.21 | NA | NA | - |
| Barium | 2.22 | 9.0 | 5.61 | NA | NA | - |
| Chromium | 0.48 | 0.48 | 0.27 | NA | NA | - |
| Cobalt | 0.12 | 0.14 | 0.13 | NA | NA | - |
| Lead | 1.9 | 1.9 | 0.95 | NA | NA | - |
| Molybdenum | 0.18 | 1.0 | 0.59 | NA | NA | - |
| Nickel | 0.44 | 0.84 | 0.62 | NA | NA | - |
| Vanadium | 0.24 | 0.45 | 0.35 | NA | NA | - |
| Zinc | 6.7 | 6.7 | 3.38 | NA | NA | - |
| PESTICIDES/PCBs (mg/Kg) | | | | | | |
| O,P' - DDD | ND | ND | - | 0.07 | 0.07 | 0.06 |
| P,P' - DDD | 0.11 | 0.11 | 0.08 | 0.47 | 0.47 | 0.16 |
| Aroclor 1016 | 0.86 | 3.1 | 0.83 | ND | ND | - |
| Aroclor 1242 | ND | ND | - | 0.41 | 2.2 | 1.23 |
| Aroclor 1248 | 2.9 | 3.4 | 1.69 | ND | ND | - |
| Aroclor 1254 | 1.7 | 16.6 | 4.17 | 0.7 | 2.5 | 1.06 |
| Aroclor 1260 | 0.23 | 4.3 | 1.14 | ND | ND | - |
| SEMI-VOLATILE ORGANICS (mg/Kg) | | | | | | |
| 1,2-Dichlorobenzene | 1.2 | 2.9 | 0.75 | ND | ND | - |
| 1,3-Dichlorobenzene | 2.7 | 7.1 | 1.36 | ND | ND | - |
| 1,4-Dichlorobenzene | 2.6 | 311 | 40.9 | T | T | T |
| Diethyl Phthalate | 2.1 | 2.1 | 4.23 | ND | ND | - |
| Di-n-Butyl Phthalate | 0.34 | 72 | 9.28 | 2.0 | 2.0 | 1.35 |
| Butyl Benzyl Phthalate | ND | ND | - | <0.17T | 0.92 | 0.53 |
| Bis (2-Ethylhexyl) Phthalate | 3.00 | 79.00 | 11.3 | 27 | 27 | 7.39 |

**TABLE B-2
COMPARISON OF BCL AND BAS WASTEFILL
ANALYSES DATA**

Page 2 of 2

| COMPOUND (a,b) | BCL | | | BAS | | |
|---|---------------------|---------------------|-------------|---------------------|---------------------|-------------|
| | MINIMUM DETECTED | MAXIMUM DETECTED | AVERAGE (b) | MINIMUM DETECTED | MAXIMUM DETECTED | AVERAGE (b) |
| SEMI-VOLATILE ORGANICS (mg/Kg) (CONTINUED) | | | | | | |
| Benzyl Alcohol | 4.5 | 37 | 8.43 | ND | ND | - |
| Naphthalene | 2.3 | 2.9 | 1.24 | 0.2 | 4.4 | 1.60 |
| 2-Methyl Naphthalene | 2.8 | 2.8 | 0.72 | T | T | T |
| Dibenzofuran | 18 | 18 | 3.25 | ND | ND | - |
| Phenol | 3 | 173 | 14.5 | 3.0 | 3.3 | 2.21 |
| 2,4-Dimethyl Phenol | ND | ND | - | T | T | T |
| 2-Methyl Phenol | ND | ND | - | 1.4 | 1.4 | 1.2 |
| 4-Methyl Phenol | NA | NA | - | 5.8 | 18 | 9.66 |
| 4-Nitrophenol | 39 | 39 | 4.47 | ND | ND | - |
| Acenaphthene | 35 | 35 | 3.48 | ND | ND | - |
| Anthracene | 5.3 | 10 | 1.8 | ND | ND | - |
| Benzo (a) Anthracene | 2 | 2 | 2.0 | ND | ND | - |
| Fluoranthene | 2.9 | 2.9 | 0.89 | T | T | T |
| Fluorene | 17 | 17 | 1.97 | ND | ND | - |
| Phenanthrene | 4.8 | 9.2 | 2.5 | T | T | T |
| Pyrene | 2.8 | 2.8 | 0.78 | 0.92 | 0.92 | 1.08 |
| Benzo (b) Fluoranthene | ND | ND | - | T | T | T |
| N-Nitrosodiphenylamine | 2.5 | 4.2 | 1.33 | ND | ND | ND |

(GVRAP:9235:TBLB-2:3-30-92)

(a) ND = Not detected at laboratory detection limits.

NA = Not analyzed.

T = Detected at unquantifiable trace levels.

(b) ND and T compounds assumed to be present in concentrations equal to their respective laboratory detection limits.

(c) Barium is not a "Priority Pollutant Metal". However, it is on the list of "California Code of Regulations" metals.

**TABLE B-3
COMPARISON OF DETECTED COMPOUNDS IN
BACKGROUND SOIL AND IN SOIL UNDERLYING THE LANDFILL**

| COMPOUND (a) | BACKGROUND (30 TO 50 FEET DEPTH) | | | WASTE FILL BASE | | | | | | | | |
|--|-------------------------------------|-------|----------|-------------------------|------|------|-------------------|------|----------|-------------------|------|----------|
| | | | | 1.5 FEET BELOW FILL (d) | | | 2 FEET BELOW FILL | | | 5 FEET BELOW FILL | | |
| | MIN. | MAX. | AVE. (c) | MIN. | MAX. | AVE. | MIN. | MAX. | AVE. (c) | MIN. | MAX. | AVE. (c) |
| TOTAL PRIORITY POLLUTANT METALS (mg/Kg) | | | | | | | | | | | | |
| Arsenic | ND | ND | - | 8.7 | 8.7 | 8.7 | 14.3 | 22.9 | 20.1 | 6.4 | 23.5 | 15.9 |
| Beryllium | 0.94 | 2.36 | 1.62 | ND | ND | ND | ND | ND | - | 0.6 | 0.6 | 0.53 |
| Cadmium | 1.35 | 13.74 | 5.07 | ND | ND | - | ND | ND | - | ND | ND | - |
| Chromium (Total) | 20.32 | 65.76 | 38.82 | 9.8 | 9.8 | 9.8 | 14.9 | 21.0 | 17.78 | 12.1 | 19.5 | 15.03 |
| Copper | 20.83 | 40.72 | 26.73 | 14.6 | 14.6 | 14.6 | 19.0 | 31.1 | 23.98 | 10.5 | 23.7 | 16.30 |
| Lead | 2.46 | 4.61 | 3.19 | 5.1 | 5.1 | 5.1 | 4.1 | 22.5 | 9.25 | 3.9 | 6.1 | 4.7 |
| Nickel | 18.09 | 36.11 | 28.47 | 7.9 | 7.9 | 7.9 | 13.5 | 19.2 | 15.75 | 7.2 | 17.0 | 11.80 |
| Silver | 0.72 | 1.97 | 1.33 | ND | ND | - | ND | ND | - | ND | ND | - |
| Zinc | 44.53 | 63.25 | 55.99 | 47.5 | 47.5 | 47.5 | 39.2 | 74.9 | 54.53 | 30.2 | 59.9 | 41.3 |
| PESTICIDES/PCBs (mg/Kg) | | | | | | | | | | | | |
| Aroclor 1254 | ND | ND | - | ND | ND | - | 0.27 | 0.27 | 0.11 | ND | ND | - |
| SEMI-VOLATILE ORGANICS (mg/Kg) (b) | | | | | | | | | | | | |
| 4-Methylphenol | | | | T | T | T | ND | ND | - | ND | ND | - |
| Benzoic Acid | | | | T | T | T | ND | ND | - | ND | ND | - |
| Naphthalene | | | | ND | ND | - | 0.48 | 0.48 | 0.25 | ND | ND | - |
| 2-Methyl Naphthalene | | | | ND | ND | - | 0.19 | 0.19 | 0.18 | ND | ND | - |
| Acenaphthene | | | | ND | ND | - | T | T | T | ND | ND | - |
| Fluorene | | | | ND | ND | - | T | T | T | ND | ND | - |
| Phenanthrene | | | | ND | ND | T | 0.76 | 0.76 | 0.32 | ND | ND | - |
| Anthracene | | | | ND | ND | - | T | T | T | ND | ND | - |
| Fluoranthene | | | | ND | ND | T | 0.22 | 0.22 | 0.18 | ND | ND | - |
| Pyrene | | | | ND | ND | T | T | T | T | ND | ND | - |
| Butyl Benzyl Phthalate | | | | ND | ND | - | 0.74 | 0.74 | 0.31 | ND | ND | - |
| VOLATILE ORGANICS (mg/Kg) | | | | | | | | | | | | |
| Ethyl Benzene | ND | ND | - | 0.4 | 0.4 | 0.4 | 0.05 | 0.05 | 0.05 | ND | ND | - |
| Total Xylenes | ND | ND | - | 0.2 | 0.2 | 0.2 | ND | ND | - | ND | ND | - |

(GVRAP:9235:TBLB-3:3-30-92)

- (a) ND = Not detected at laboratory detection limits.
T = Detected at unquantifiable trace levels.
- (b) Background soil samples were not analyzed for semi-volatile organics.
- (c) ND compounds assumed to be present in concentrations equal to their respective laboratory detection limits.
- (d) Samples collected for QA/QC purposes.

SECTION 5.0

RECOMMENDED REMEDIAL ACTION PROGRAM

5.0 RECOMMENDED REMEDIAL ACTION PROGRAM

The preceding sections have presented an overview of the Remedial Investigation (RI), the Baseline Health Risk Assessment (HRA), and the Feasibility Study (FS) reports. These reports identified the contaminated media at the site, determined the health risks posed by the contaminated media, and identified and evaluated the various remedial action alternatives to mitigate the health risks posed by the site contamination.

The **Preferred Alternative** selected and discussed in the previous sections meets all of the evaluation criteria and provides a viable solution to exposure problems at the site. The preferred alternative consists of the containment of the landfill cover soils and wastefill contaminants through the use of a multi-layer clay/asphalt cap, and the collection and treatment of the landfill gas with a combined horizontal and vertical gas collection system leading to a landfill gas flare.

This section will outline, in detail, the elements of the Remedial Action Plan (RAP) for the Gardena Valley 1 & 2 Landfill site and will present a step by step program for implementation.

5.1 REMEDIATION GOALS

The preferred alternative must achieve the remediation goals for the site. These goals are as follows: 1) to reduce the mobility of the contaminated surface soils so as to prevent the ingestion and/or dermal absorption of the existing cover soils; 2) to reduce the infiltration of rainwater through the cover, thereby reducing the mobility of the wastefill contaminants; 3) to reduce the mobility of the landfill generated gas by collecting it before it can migrate off-site and/or collect in enclosed areas at combustible levels.

5.2 STATEMENT OF JUSTIFICATION FOR THE RECOMMENDED REMEDIAL ACTION PLAN

The revised clay/asphalt cover alternative was chosen as the preferred alternative over the other landfill covers because of its overall superior performance against the EPA evaluation criteria and its compatibility with the

proposed site end-use. Each of the seven cover alternatives would provide for the protection of human health and the environment through: 1) the isolation of the cover soils and landfill media with a multi-layer clay/asphalt cover; 2) the collection of landfill gas via a horizontal venting system and vertical gas extraction wells; and 3) the subsequent thermal destruction of organic contaminants in the gas through flaring at high temperatures. In this way the remediation goals could have been achieved for all media of concern with any of the cover alternatives. However, the lower permeability of the preferred cover reduces the mobility of the contaminants within the wastefill better than the other alternatives except the HDPE/Clay cover, and the original clay/asphalt cover. The surface asphalt layer makes it more compatible with the site end use than the HDPE/clay cover, while the reduced thickness makes it more compatible than the original clay/asphalt cover.

5.3 DESCRIPTION OF REMEDIAL ACTION PLAN

The major components of the preferred remedial alternative include the construction of the multi-layer clay/asphalt cover (including the horizontal gas collection system), the construction of the landfill gas extraction wells and collection system, the construction and operation of the landfill gas flare, and obtaining all necessary permits for the construction and operation of these components.

5.3.1 PERMITTING AND APPROVALS

Before implementation of the preferred remedial alternative the following permits and approvals must be obtained:

- o Permit to construct the gas collection system and flare from the South Coast Air Quality Management District (SCAQMD).
- o Permit to operate the gas collection system and flare from the SCAQMD.
- o Permit to excavate into the landfill for the purpose of constructing the landfill cover from SCAQMD.

- o Permission from DTSC to excavate into the landfill cover.
- o Approval of the final cover, gas collection system, and flare design by the State Department of Toxic Substances Control (DTSC).
- o Review of the final cover design by the Regional Water Quality Control Board, Los Angeles Region (RWQCB).
- o Local permits for the City of Carson including, but not limited to items listed as follows:
 - Height of buildings and structures (Section 9146.12)
 - Future rights of way (Section 9146.22)
 - Space between buildings (Section 9146.27)
 - Encroachments (Section 9146.29)
 - Fences, walls, and hedges (Section 9146.3)
 - Trash areas (Section 9146.4)
 - Parking, loading, truck maneuvering and driveways (Section 9146.6)
 - Signs (Section 9146.7)
 - Utilities (Section 9146.8)
 - Site planning and design (Section 9146.9)
 - Exterior lighting (Section 9147.1)
 - Performance Standards (Section 9147.2)
 - Hours of operation (Section 9147.3)

5.3.2 FINAL COVER

The final cover will consist of the following elements: a) a foundation layer, b) a gas vent layer, c) a low permeability clay layer, d) a crushed miscellaneous base layer, and e) an asphalt pavement layer. These layers are described in detail in the following paragraphs. A typical cross section of this cover is included as Figure 5-1. Ongoing maintenance of the cover after placement is discussed in Section 5.4.

The first layer in the cover is a 24-inch thick **foundation layer**. The soil in this layer will serve as a foundation to support the layers above. It will be made of compacted earth, free of decomposable organic matter, and will make use of existing cover soils. Details regarding the type of soils used in the foundation layer are included in Appendix A. It is estimated that approximately 50,000 cubic yards of earth fill will need to be imported to the site for this layer in addition to the existing cover soils. This layer will also incorporate the material necessary for the rough grading of the site.

To eliminate the possibility of water ponding on the site, grading will be sloped at a minimum of 2 percent before settlement. A 2 percent slope was recommended by DTSC during the May 2, 1991, meeting and is expected to be sufficient due to the age and shallow depth of the landfill. It is anticipated that the foundation layer thickness will vary from two to eight feet to meet the required 2 percent grade. Site grading will be such that rainwater falling on the site will be collected and delivered to the local storm drain system, and not affect adjacent properties. At this preliminary stage, no grading plan has been generated for the site. However, a grading plan will be developed during the remedial design phase and submitted for DTSC review and approval.

The **gas vent layer** will be integrated into the foundation layer and will be composed of a series of parallel perforated pipes running north/south across the site in gravel filled trenches through the foundation layer at 50 foot intervals (see Figures 5-2 and 5-3). The pipes will be 3-inch diameter ADS slotted corrugated pipe. The trenches will be excavated to a depth of 1 foot and a filter fabric will be placed in the trench prior to the placement of the pipe and gravel. A 3-inch thick sand/gravel layer will overlay the trenches. This layer will provide a path for the gas trapped beneath the clay layer to reach the perforated pipes. The gas will be collected in a perimeter collection system and be transmitted to the gas treatment system as described in Section 5.3.5. The vacuum applied to the gas venting system will be determined through field operation testing once the system has been constructed. However, the vacuum applied will never be set at a level high enough such that desiccation of the clay layer occurs. Adjustment for each line will be made using pressure control valves at the end of each line.

The third layer in this cover will be a **low permeability clay layer**. This layer will be a minimum of 18-inches thick and provide a barrier to the downward migration of surface water through the cover. The clay will have a permeability of no greater than 10^{-6} cm/sec. A native or random soil/bentonite blend will also be considered acceptable for this layer material as long as it achieves the same uniform 10^{-6} cm/sec. or less permeability. To ensure that the clay or soil/bentonite blend used in the cover can meet this requirement and others, as delineated in the Spec Data Sheet (Appendix A), laboratory permeability tests will be run on compacted samples prior to placement in the field, in order to verify performance.

The fourth layer in the cover will be a 18-inch layer of **crushed miscellaneous base (CMB)** material. This material will serve to distribute the traffic loadings, and will conform with Section 200-2.4 of the Standard Specifications for Public Works Construction, 1988 Edition. In addition, it will also serve to isolate the underlying layers and the trash from the flexing effects created by traffic loads on the pavement section. The vertical zone from the pavement surface down to the depth at which these flexing effects are no longer felt is known as the "flex zone". The actual extent of the flex zone has been calculated to be approximately 1.2 feet below grade (Appendix B). Subgrade preparation, placement, compaction, and finish of crushed miscellaneous material shall comply with the requirements of Section 301-1 and 301-2 of the SSPWC. A non-woven filter fabric will be placed between the clay layer and the CMB layer to keep fines from migrating into the clay layer.

The final layer of the proposed cover will be a 4-inch **asphalt layer**. This layer will cover all parking areas and will also underlay interior landscaped areas. The asphalt pavement will be laid in two layers. A 2-1/2 inch working pavement course and 1-1/2 inch finish pavement course. The final 1-1/2 inch pavement layer will be placed with offset seams in conjunction with the site development. The asphalt layer will provide a redundant barrier to the infiltration of surface water. The permeability of the asphalt material in this proposed cover will be dependent on the lowest permeability which can be achieved by the asphalt manufacturers through their standard production methods. Minimum performance criteria to evaluate whether the achieved asphalt permeability will adequately prevent infiltration of surface water into the landfill are as follows:

- o The asphalt material used in the final layer will be such that the total inches of infiltration into the landfill as simulated using the Hydraulic Evaluation of Landfill Performance (HELP) Model will be less than five percent (5%) of the total precipitation.

If these criteria cannot be achieved, an alternative design, approved by DTSC, that can achieve the minimum performance criteria will be used. Cracking and wear of the asphalt over time will be mitigated through implementation of an extensive post-construction maintenance and monitoring plan as described in Section 5.4.

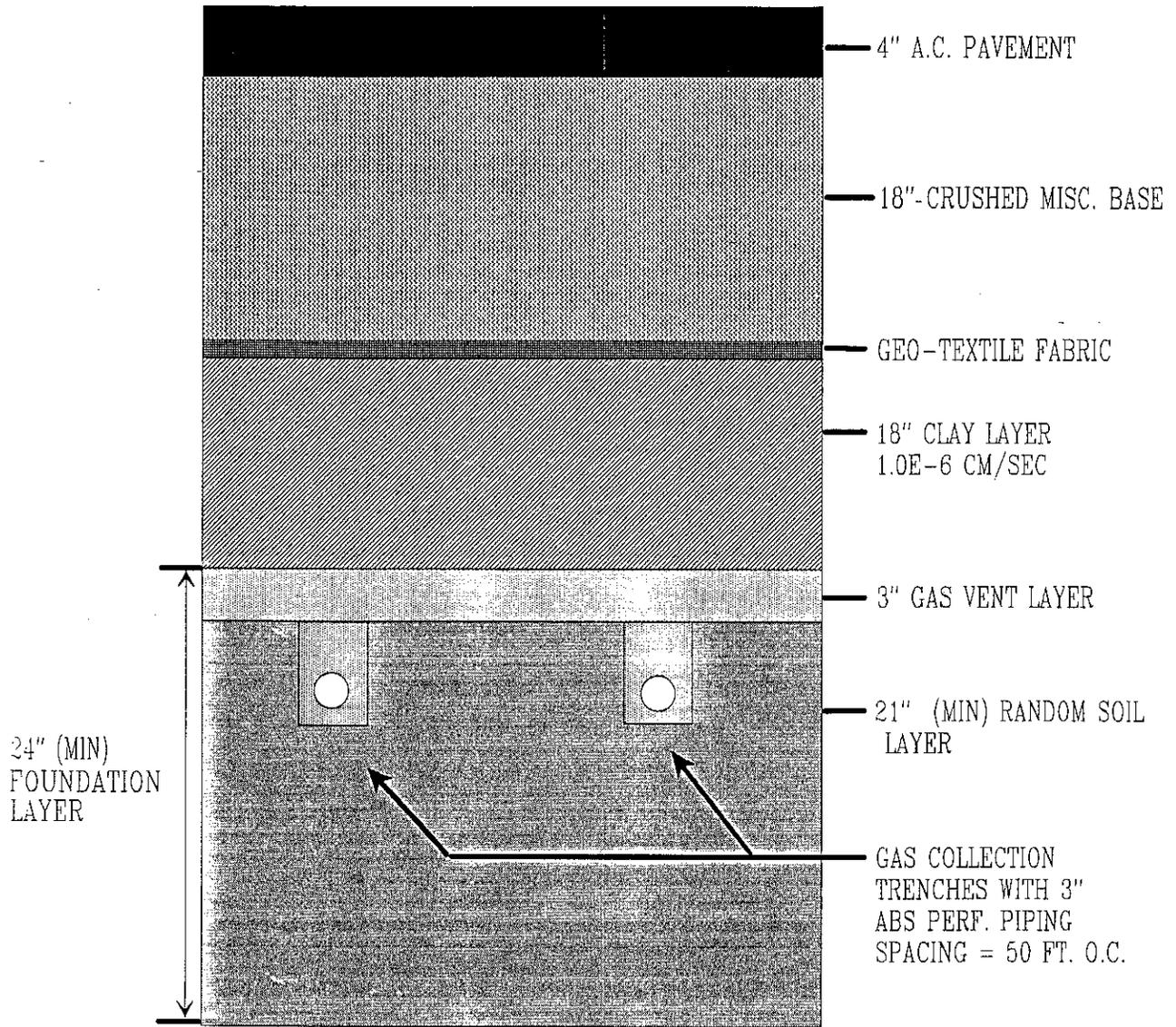
Specific details regarding the materials used in all cover layers are included in Appendix A.

5.3.3 COVER CONSTRUCTION BENEATH ON-SITE BUILDINGS

5.3.3.1 ADDITIONAL LAYERS BENEATH ON-SITE BUILDINGS

A cross-section of the proposed cover beneath on-site buildings has been included as Figure 5-4. Underneath the proposed on-site buildings the CMB layer, and asphalt concrete layer described above, will be eliminated. Additional layers will be added in order to reflect the special circumstances associated with structures on landfills. These layers include: a washed rock or sand layer, a structural concrete building pad, a high density polyethylene (HDPE) layer and a finished floor layer. These layers are shown in cross section of Figure 5-4. These layers will be beneficial to the cover performance in the following ways:

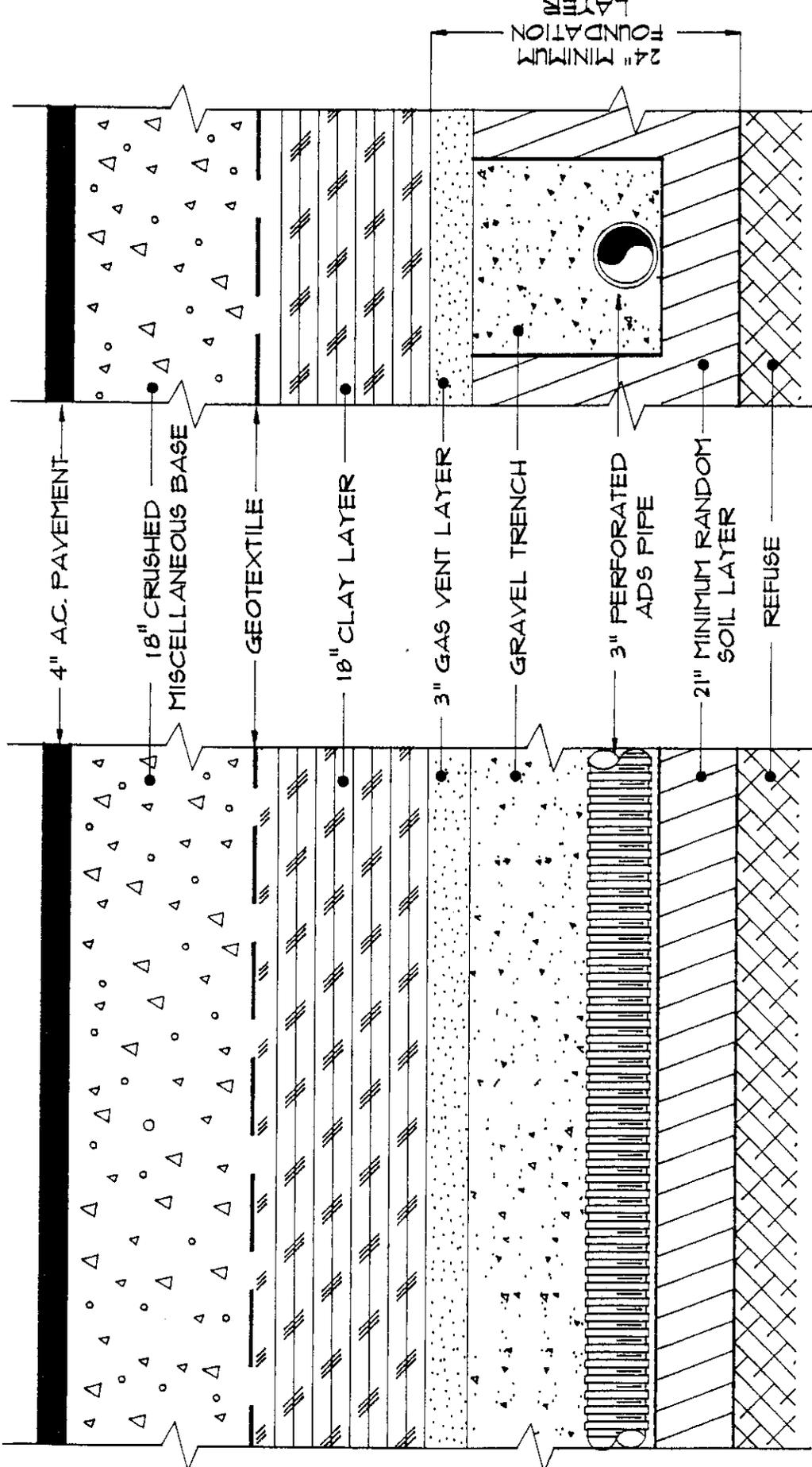
- o The washed rock or sand layer will act as a gas vent layer to allow landfill gas to move laterally out from under the building and prevent the accumulation of landfill gas to combustible levels.



PROPOSED CROSS-SECTION
NOT TO SCALE

FIGURE 5-1

| | | | |
|--|----------------|---|--------------------|
|  | [714] 860-7777 | GARDENA VALLEY 1 & 2 LANDFILL TYPICAL CLAY/ASPHALT COVER | JOB NO. 9174 |
| | | | DATE 4/18/92 |
| BRYAN A. STIRRAT & ASSOCIATES CIVIL AND ENVIRONMENTAL ENGINEERS 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765 | | | DRAWN BY: TGA |
| | | | CHECKED BY: TGA |



TRENCH PROFILE

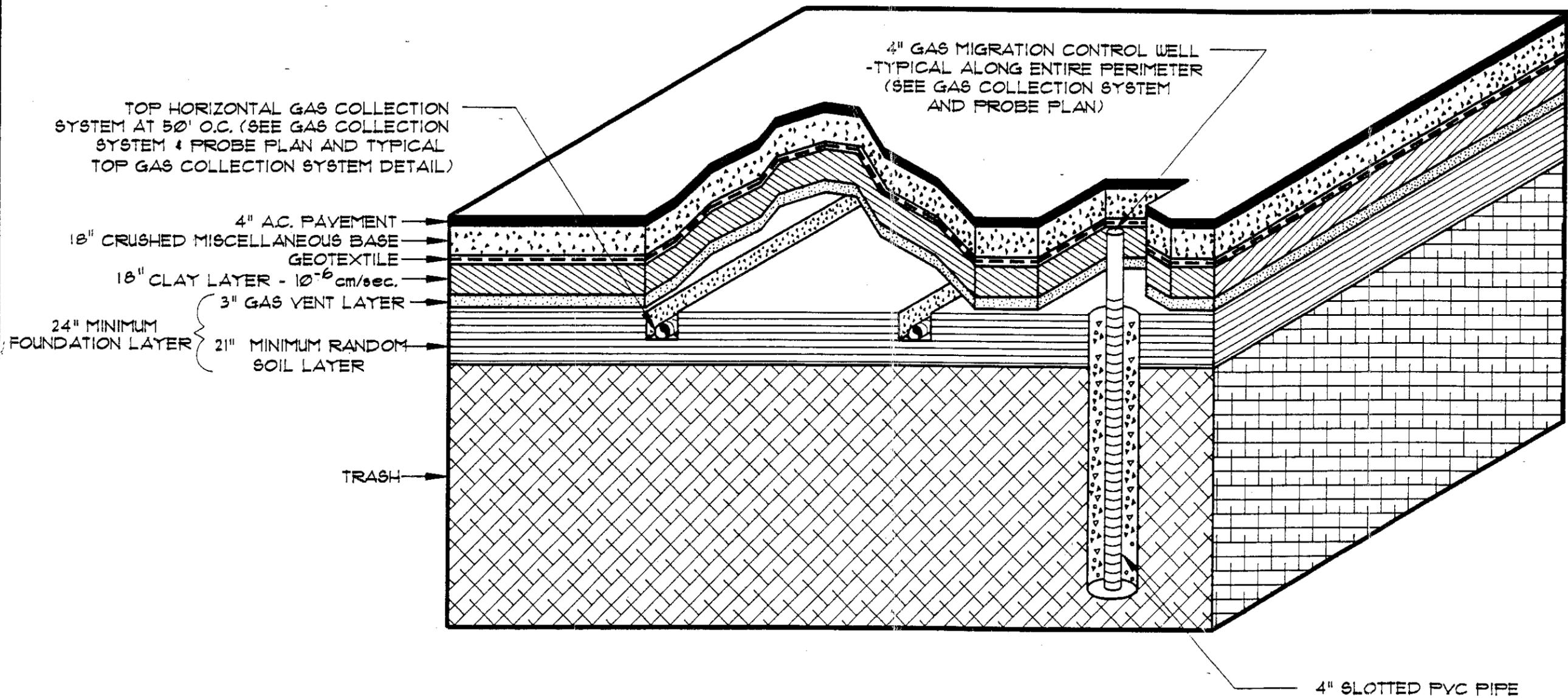
TRENCH SECTION

FIGURE 5-2

BAS
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 (714)660-7777

TYPICAL TOP HORIZONTAL GAS
 COLLECTION SYSTEM DETAIL

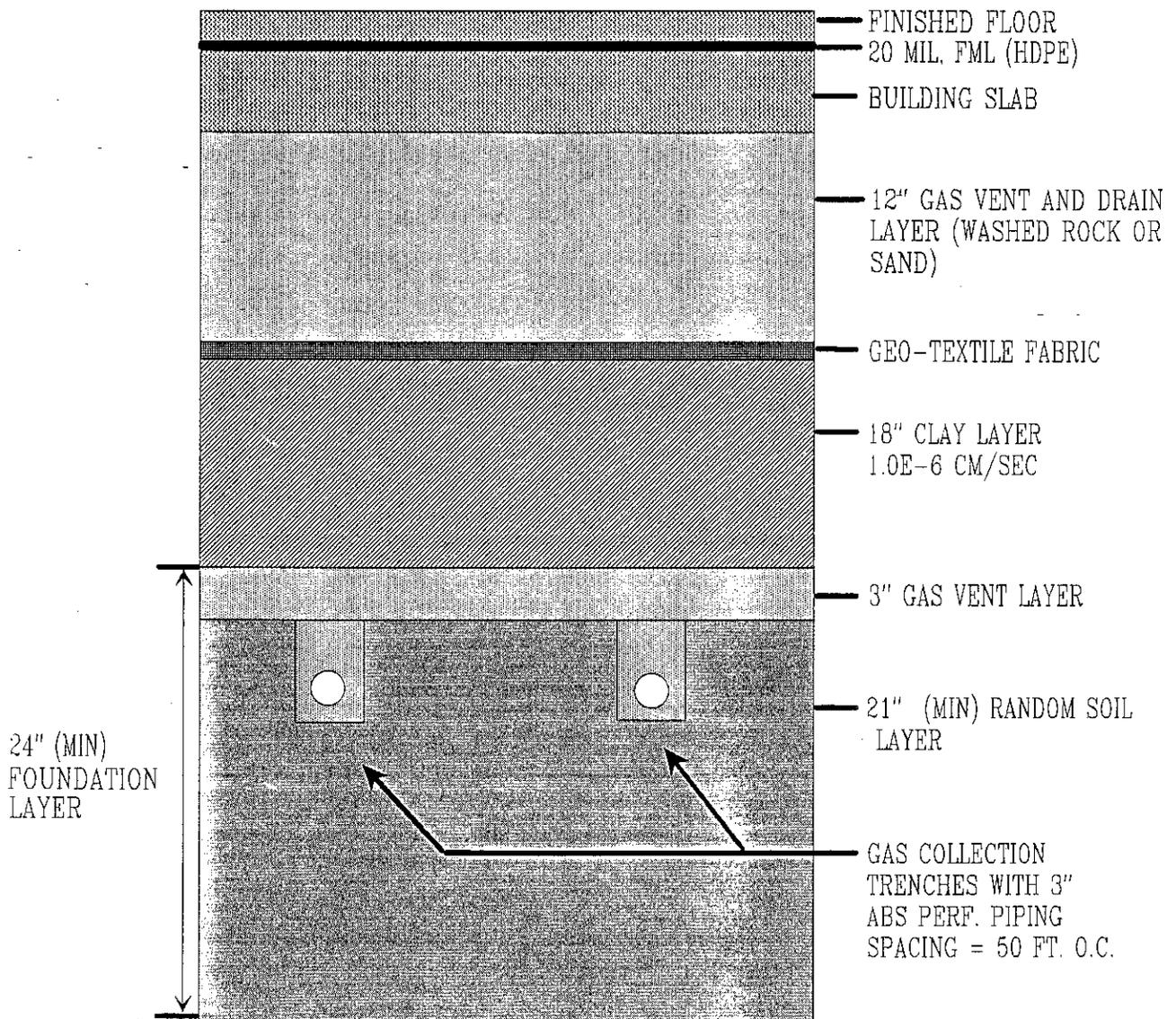
JOB NO. 9114
 DATE 4/15/92
 DRAWN BY: S. ANGUS
 CHECKED BY:



NOTES:
 1. DRAWING NOT TO SCALE.

FIGURE 5-3

CONCEPTUAL LAYOUT OF GAS COLLECTION AND LAYERING SYSTEMS



PROPOSED CROSS-SECTION
 NOT TO SCALE

FIGURE 5-4

| | | | |
|--|----------------|---|--------------------|
|  | (714) 860-7777 | GARDENA VALLEY 1 & 2 LANDFILL TYPICAL CLAY/ASPHALT COVER BENEATH ONSITE BUILDINGS | JOB NO. 9174 |
| | | | DATE 4/18/92 |
| BRYAN A. STIRRAT & ASSOCIATES CIVIL AND ENVIRONMENTAL ENGINEERS 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91785 | | | DRAWN BY: TGA |
| | | | CHECKED BY: TGA |

- o The structural concrete layer will transfer the weight of the building to a foundation system of caissons which will be drilled through the landfill into the native soil below. In this way, the weight of the building will not be carried by the landfill.
- o The HDPE layer will prevent infiltration of landfill gas into the building.
- o The finished floor layer will protect the HDPE layer from wear and damage.
- o The building, and the concrete on which it rests, will also provide a barrier to surface water infiltration. No surface water is expected to penetrate to the cover beneath the building.

Specific details regarding the materials used in these layers are included in Appendix A. Wherever possible, landscaped areas (planters, etc.) will be constructed atop the typical clay/asphalt cross-section shown in Figure 1-1. In areas where this is not possible a vegetative layer shall replace the asphalt and CMB layers, as shown in Figure 5-5 which also shows a conceptual design for the interface between the two cross-sections.

5.3.3.2 BUILDING FOUNDATION

As discussed previously, the weight of the on-site structures will be supported by concrete caissons which will penetrate into the native soil beneath the landfill. The caissons may extend into the first water bearing zone beneath the site (the semi-perched Bellflower groundwater zone) but will not extend through the interface between the Bellflower Aquifer and the second water bearing zone, (the Gage Aquifer). The depth to the Gage Aquifer is known from information gathered during the RI. To ensure that the Gage is not penetrated, a safety zone of ten (10) feet will be established above the interface between the Bellflower and Gage aquifers. No caissons will extend into this safety zone.

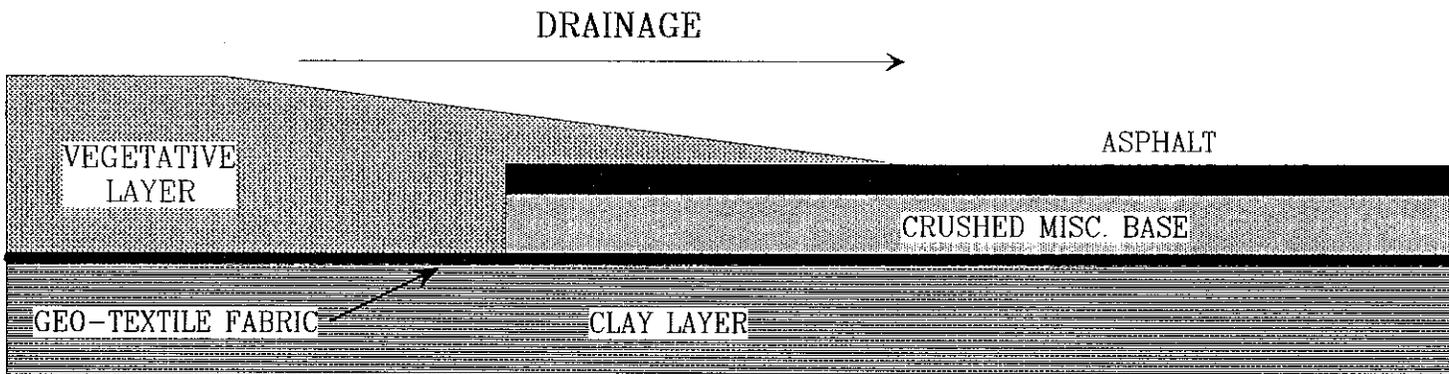
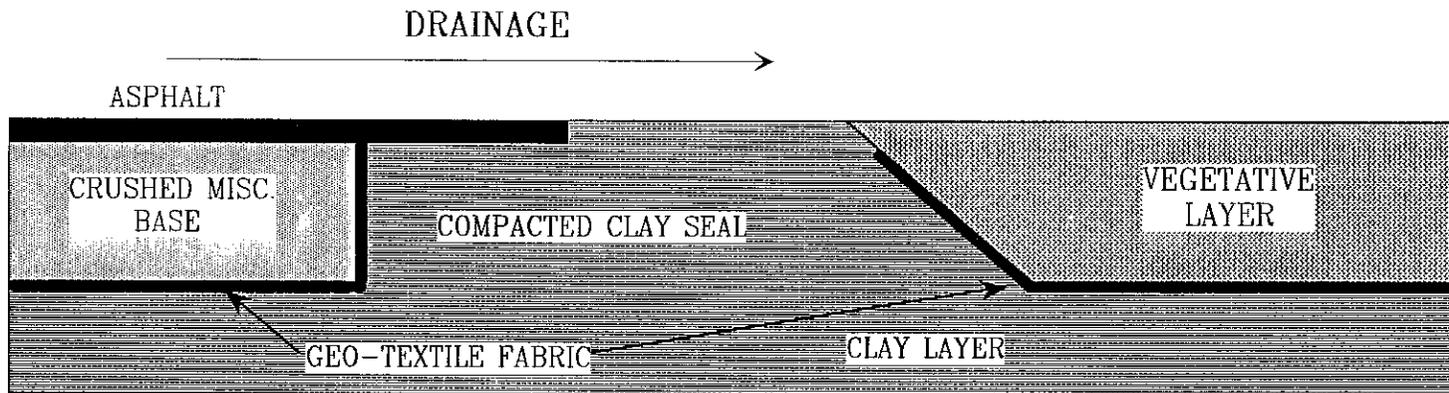


FIGURE 5-5



[714] 860-7777

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INTERFACE BETWEEN
 TYPICAL COVER AND PLANTING AREAS

JOB NO. 9174

DATE 4/18/92

DRAWN BY: TGA

CHECKED BY: TGA

Special construction considerations have been included in this section in order to address the contaminant migration potential along the caisson trash interface. In addition, by having the foundation supported by the native ground below the landfill, the structurally damaging effects on future buildings due to differential settlement of the wastefill will be avoided. Also, by not bearing directly onto the landfill, the increased leaching of landfill liquids to the underlying aquifer, associated with the compressing of the landfill, will be avoided. Figure 5-6 depicts a conceptual caisson detail. Figure 5-7 shows a conceptual caisson seal through the clay layer. In this detail the thickness of the clay layer around the caisson has been increased and rings of low permeability bentonite clay constructed above and below the clay layer. These measures are intended to maintain the integrity of the clay layer around the caissons should settlement occur beneath the onsite buildings.

5.3.3.3 CAISSON CONSTRUCTION

Construction of the caissons will be done in a manner to avoid drawing contaminants down from the wastefill into the semi-perched aquifer. The actual drilling and sealing procedures used at the site will be tested and approved by DTSC prior to full scale construction. However, construction of the caissons may be done as follows. A steel casing will be driven into the landfill. The bottom of the casing will be plugged prior to driving to prevent trash from entering the casing. The pressure of the displaced trash against the outside of the casing will seal the casing through the trash zone. Once the base of the landfill is reached, the casing below the landfill will be perforated and a grout seal pressure injected into the formation down to the first low permeability clay zone below the landfill. The plug at the leading edge of the casing will then be ground out, and the borehole for the caisson drilled through the now open casing. The caisson will then be constructed in the open casing/borehole. The caisson seal through the cover shown in Figure 5-6 and 5-7 implies that the caisson will be constructed first and the cover "built up" around it. The actual sealing mechanisms used at the site and the construction sequence will be determined through testing done in the field prior to construction. Construction details for this first caisson and seal will be submitted to DTSC for revision and approval. The method discussed above is provided only as an example to show that isolation of the caissons is possible.

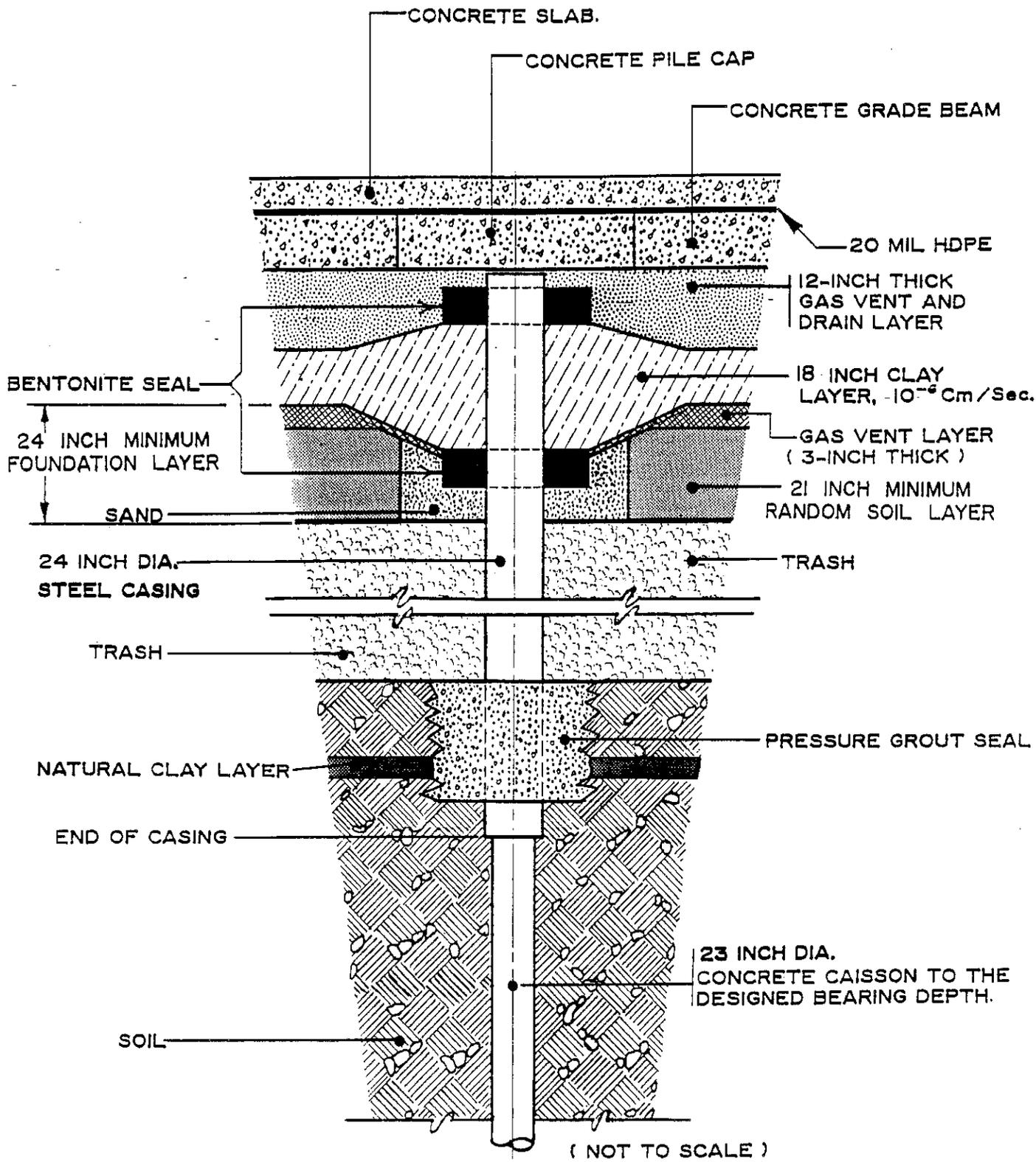


FIGURE 5-6



[714] 860-7777

GARDENA VALLEY LANDFILL

**CONCEPTUAL
CAISSON
DETAIL**

JOB NO.
9235

DATE
MAR. 1992

DRAWN BY:
PTN

CHECKED BY:
TGA

BRYAN A. STIRRAT & ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

TABLE 5-1
COST ESTIMATE SUMMARY FOR
RECOMMENDED REMEDIAL ACTION

| PREFERRED ALTERNATIVE | COST ITEM | CAPITAL COST | PRESENT WORTH O&M COST (30 YEARS) | TOTAL COST |
|---|----------------|------------------|--|---------------|
| Multi-layer Clay/Asphalt Cover and Gas Collection System with Flare. | Cover | \$2,200,000 | \$1,000,000 | |
| | Gas Collection | \$280,000 | \$250,000 | |
| | Flare | <u>\$120,000</u> | <u>\$700,000</u> | |
| | Total | \$2,600,000 | \$1,950,000 | \$4,550,000 |

Notes:

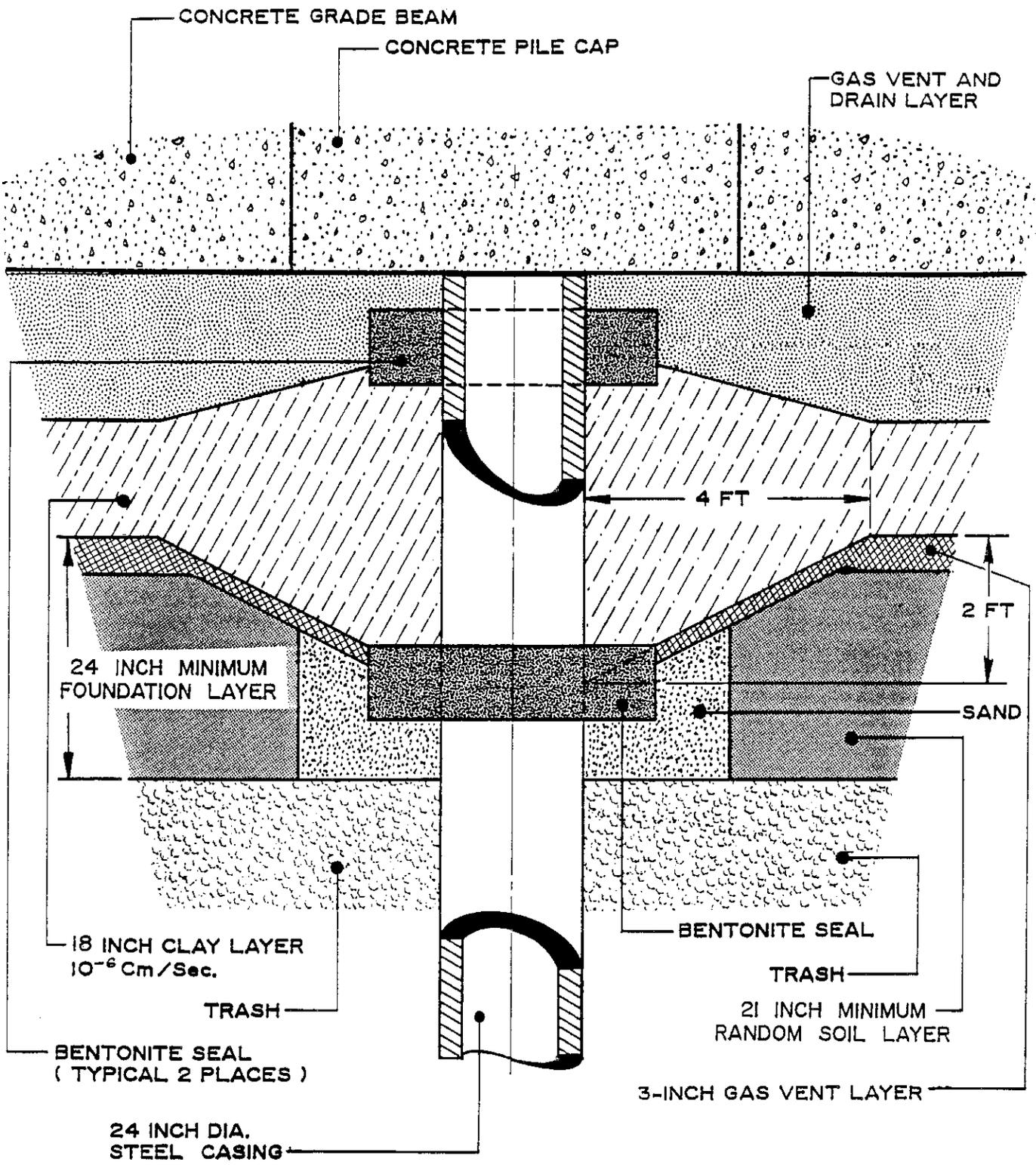
- Operational costs are based on a 30-year lifetime for cover maintenance and monitoring and a 10-year lifetime for flare and gas collection system operation.
- Costs shown represent preliminary estimates. Cost variation can be from -30% to +50%.
- Total costs shown are rounded to two significant figures due to the accuracy of the estimate.
- Examples of assumptions made during this cost estimate, and their potential affect on its accuracy, include, but are not limited to, those shown on Table 5-2.
- For comparison, the costs shown are based on covering the entire site with the clay/asphalt cover. Costs for design and construction of a separate cover sequence beneath the onsite buildings and isolation of the caissons are not included.
- Costs for Alternative 7 are exclusive of the costs for layers provided for site development.

(GVRAP:9235:TB51:3-25-92)

**TABLE 5-2
COST SENSITIVITY ANALYSES**

| VARIABLE ELEMENT | ASSUMED | POTENTIAL RANGE | | TOTAL IMPACT | |
|---|-------------------|-------------------|-------------------|-------------------------|-------------------------|
| | | LOW | HIGH | DECREASE | INCREASE |
| O&M | | | | | |
| Unit Fuel Price (Flare) | \$0.61 / gal | \$0.61 / gal | \$0.83 / gal | NONE | \$110,000 (10 years) |
| Fuel Volume Required (Flare) | 50,000 gal / year | 34,000 gal / year | 72,000 gal / year | \$100,000 (10 years) | \$130,000 (10 years) |
| Years of Operation (Flare) | 10 years | 5 years | 30 years | \$150,000 | \$600,000 |
| Years of Operation (Collection) | 10 years | 5 years | 30 years | \$125,000 | \$500,000 |
| Asphalt Cracking Maintenance (Percent of Total Area) | 1% / year | .5% / year | 5% / year | \$65,000 (30 years) | \$520,000 (30 years) |
| Asphalt Replacement | \$0.70 / ft. | \$0.50 / ft. | \$2.00 / ft. | \$40,000 (30 years) | \$240,000 (30 years) |
| CONSTRUCTION | | | | | |
| Required Import Soil Quantities | 50,000 cy | 25,000 cy | 80,000 cy | \$150,000 | \$180,000 |
| Unit Cost of Import Soil | \$6.00 / cy | \$0 / cy | \$8.00 / cy | \$300,000 | \$100,000 |
| Unit Cost of Clay | \$17.50 / cy | \$8.00 / cy | \$22.00 / cy | \$450,000 | \$211,500 |

(GVRAP-9235;TBL.32.3-25-92)



(NOT TO SCALE)

FIGURE 5-7



(714) 860-7777

GARDENA VALLEY LANDFILL

| | |
|-------------|-----------|
| JOB NO. | 9235 |
| DATE | MAR. 1992 |
| DRAWN BY: | PTN |
| CHECKED BY: | TGA |

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CONCEPTUAL CAISSON SEAL

The conceptual **gas collection system** will be comprised of two (2) components. The first is a horizontal gas collection system which will be integrated into the landfill cover. This system will be comprised of a **gas vent layer** as described in Section 5.3.2, and will collect those gases rising to the top of the trash zone, and deliver them to the main gas collection piping system leading to the gas treatment facility. A conceptual detail of the perimeter gas collection piping and how it will tie into the proposed gas vent layer is shown on Figure 5-8. The second component will be a system of **vertical gas extraction wells** located along the perimeter of the site (Figure 5-9). The wells will be placed onsite and within the trash prism as shown on Figure 5-10. The system will deliver the landfill gas to a main treatment location. It is estimated that approximately 50 wells will be required along the perimeter of the site, which comprises only a portion of the landfill. The entire system will be placed under vacuum to pull gases within the area of influence of each well into the collection system. The area of influence of the vertical gas collection wells will overlap so as to create a barrier to the horizontal movement of landfill gases from the trash zone. Gas monitoring probes will be placed off site and outside of the landfill boundaries to determine the effectiveness of the extraction system (Figures 5-9 and 5-10). In addition, a monitoring and contingency plan will be established, during the Remedial Design Phase of this project, which will give specific instructions on monitoring of the system and actions to be implemented in the event off-site gas migration is detected.

Because the gas extraction wells are being placed within the boundaries of the landfill, they will be drawing gas from other portions of the landfill which are not part of the subject property. In this way, the wells will reduce the off-site migration of landfill gas from the entire landfill.

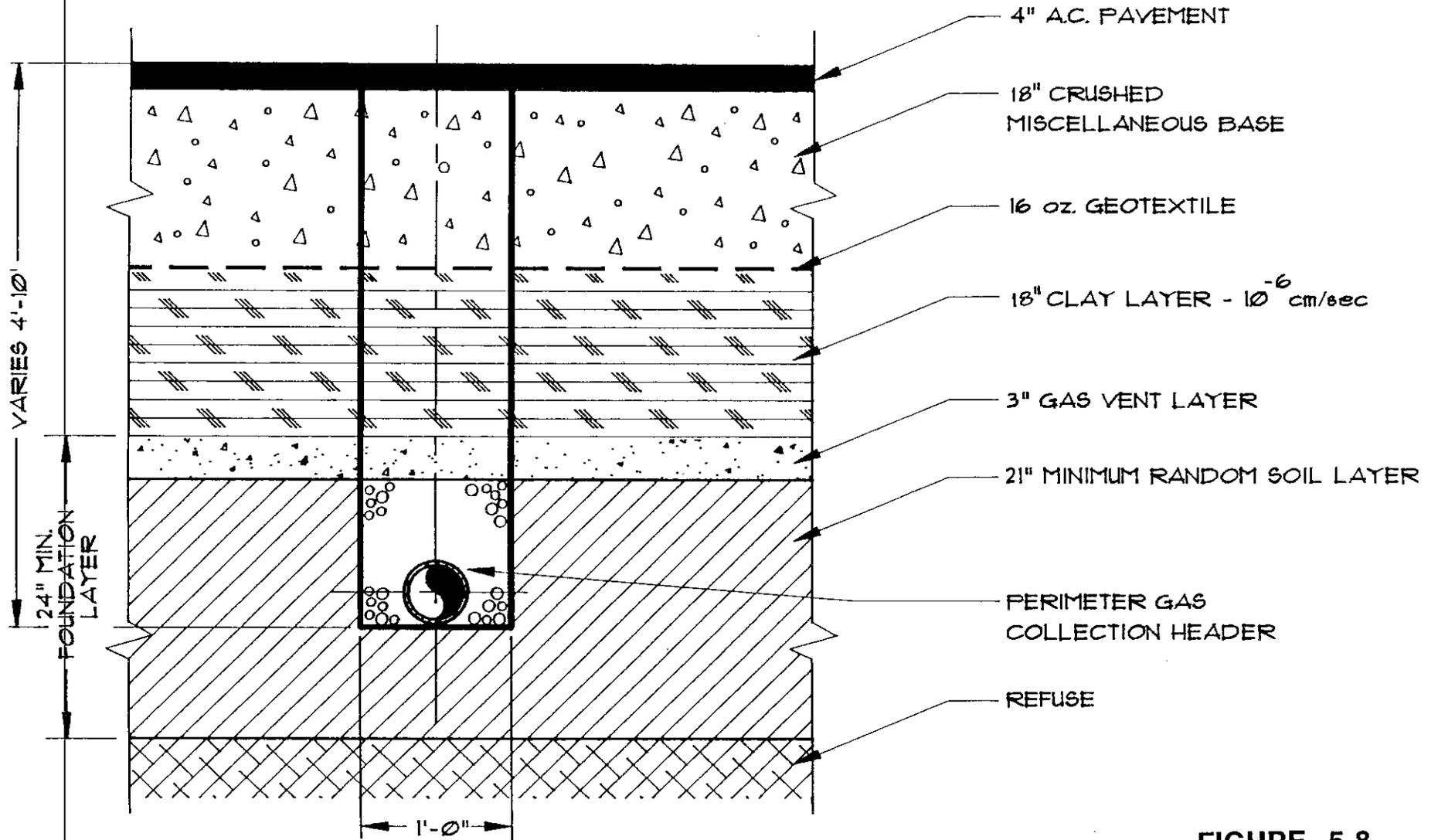


FIGURE 5-8



(714)860-7777

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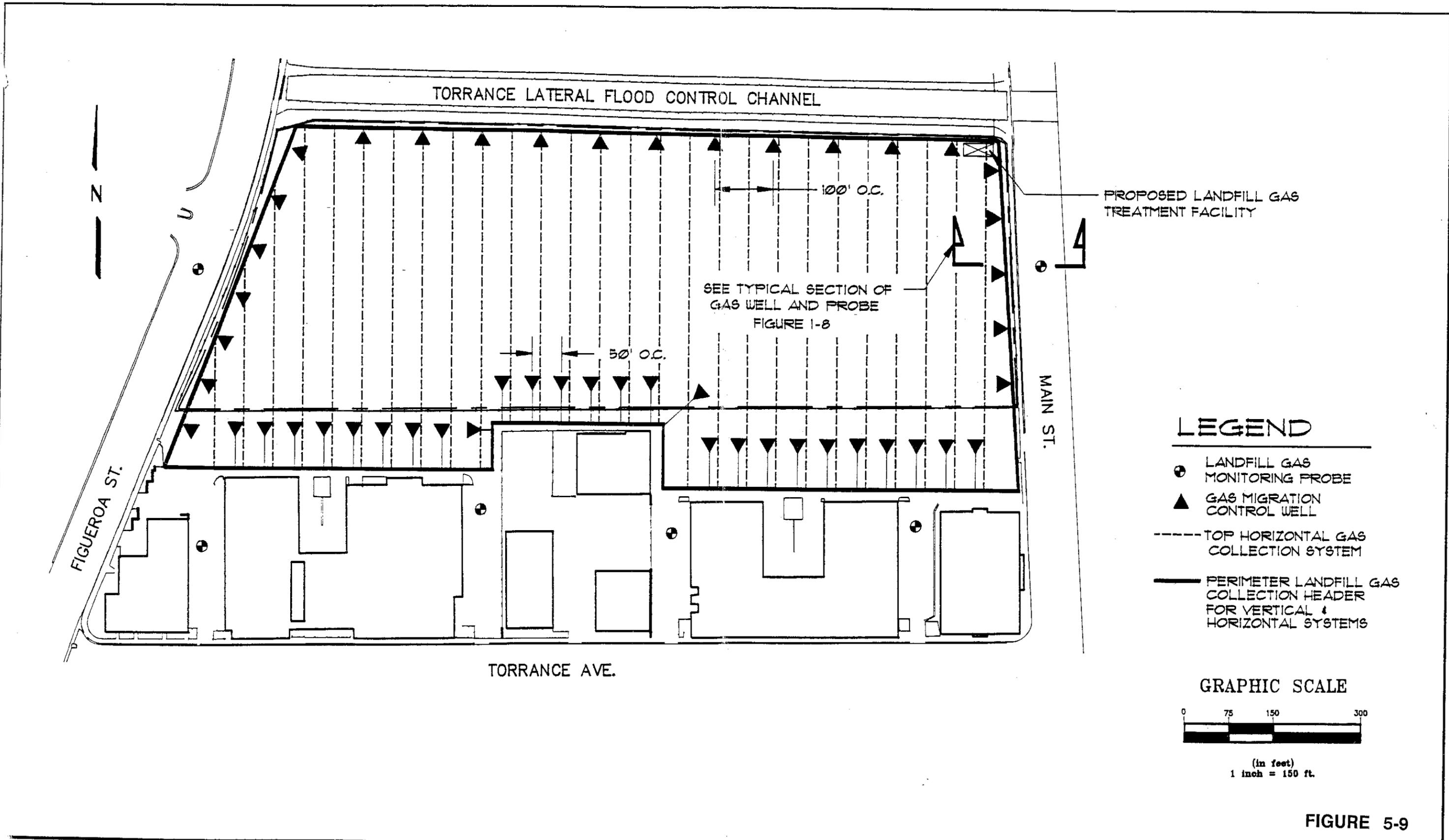
TYPICAL HEADER TRENCH SECTION

JOB NO.
9114

DATE
4/15/92

DRAWN BY:
S. ANGUS

CHECKED BY:



GAS COLLECTION SYSTEM AND PROBE PLAN

FIGURE 5-9

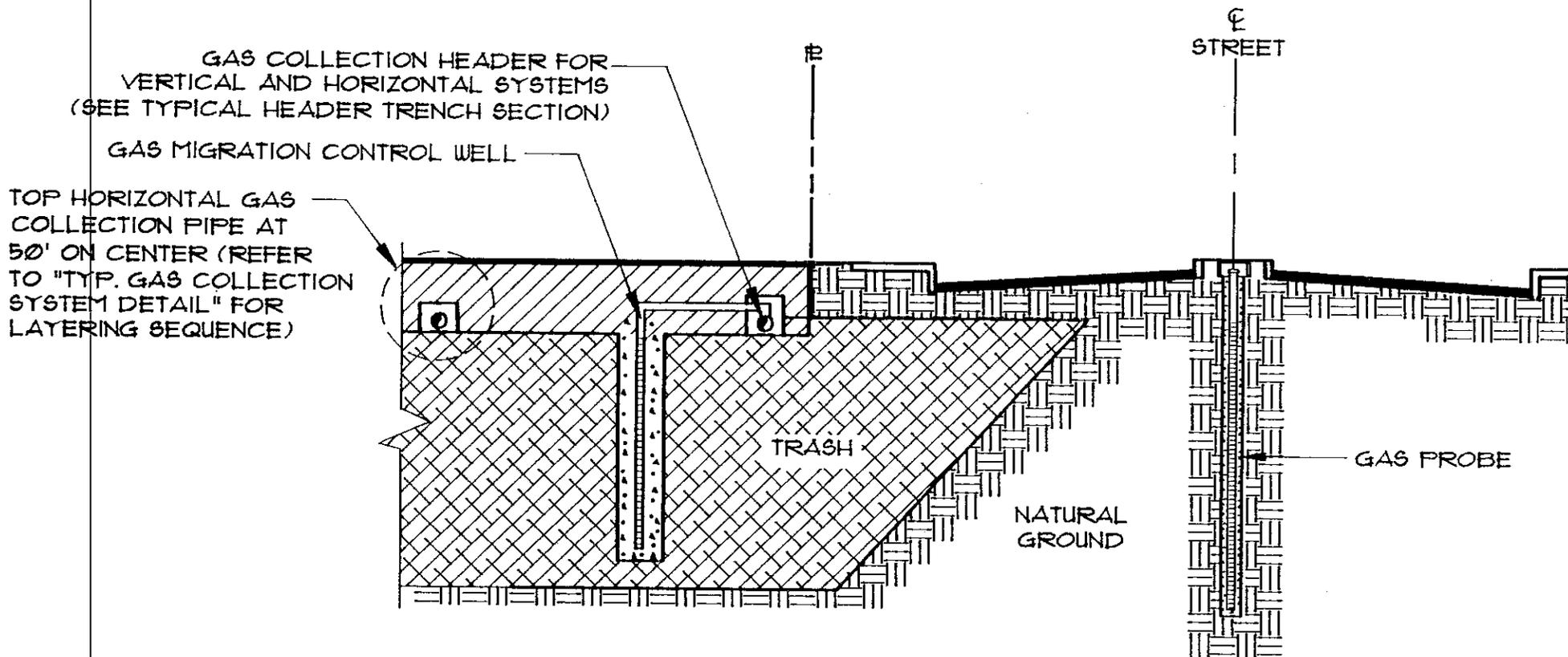


FIGURE 5-10



(714)880-7777

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**TYPICAL SECTION OF GAS WELL
 AND PROBE AT PERIMETER**

| | |
|-------------|----------|
| JOB NO. | 9174 |
| DATE | 4/15/92 |
| DRAWN BY: | S. ANGUS |
| CHECKED BY: | |

5.3.5 LANDFILL GAS FLARE SYSTEM

The landfill gas extracted from the wastefill by the gas collection system will be sent to a main collection pipe (header) and then through a blower. The blower acts as a large fan introducing the gas into the flare. The flare will be equipped with extensive monitoring and control systems to optimize flare performance. Variables of the flaring process, which will be monitored and controlled by these systems, will include but are not limited to: supplemental fuel needs, landfill gas flow rate, flame temperature, gas/fuel mixture ratios and emission rates. The flare will also be equipped with alarms and automatic shut-offs as contingency measures.

Landfill gas flares can commonly operate at a destruction efficiency of 98.5 percent (this efficiency has been guaranteed by flare manufacturers contacted for this study). The flare station design will operate as described below:

The collected landfill gas will be delivered from the header system to the flare by a blower. The gas will pass through an automatic shut-off valve and a flame arrestor to prevent flash back. A flame arrestor is a device which prevents the propagation of flame by providing a large metallic surface area which causes a rapid cooling, below ignition temperatures if a flame front flows towards the device. Once inside the flare, the gas will be mixed with combustion air at the individual burner elements. Combustion air will also be introduced into the flare by air dampers, which are regulated by the combustion temperature. If an insufficient quantity of landfill gas is available to support the minimum BTU heating rate required by the flare, auxiliary fuel, such as natural gas or propane, will be automatically introduced into the flare to maintain the minimum required combustion temperature and thermal destruction efficiency. Auxiliary fuel will most likely be necessary at this site due to the age of the landfill and its anticipated low gas generation rate. Natural gas from the local utilities will be used as the supplemental fuel for the flare. Due to the variability of landfill gas generation, the actual rate of gas production and subsequent auxiliary fuel needs will not be known until the system is in operation. It is anticipated that a period

of approximately six months will be required to adjust the system to optimum conditions. After these initial adjustments, periodic readjustments of the system will be performed to account for the anticipated decrease in landfill gas production.

The flare will be equipped with an automatic ignition and flame safeguard equipment that will continuously monitor operating conditions and shut down the system if a "flame-out" occurs. Flame temperatures will be continuously monitored and an automatic shutdown will occur if the flame temperature is outside the selected operating range (typically 1300 to 1900 degrees Fahrenheit). The flare will also be equipped with an auto dialer so that in the event of a "flame-out" a repair crew can be notified immediately and repairs can be made before a significant build up of gas within the landfill can occur.

5.4 MAINTENANCE AND CARE OF THE SELECTED REMEDIAL ALTERNATIVE

5.4.1 OPERATIONS, MAINTENANCE, AND MONITORING

Because the preferred alternative cover described above is still only conceptual, and a remedial design has yet to be developed, specific plans for continued maintenance and monitoring of the cover have likewise not been developed. This section describes in general, however, what steps will be taken during the design process, construction process, and beyond, to ensure the optimum performance of the cover.

Along with the design of the cover, gas collection, and flaring systems, a maintenance and contingency plan will be developed for the site. This plan will be similar to a landfill post-closure plan and will contain the same elements. Detailed information regarding the following aspects of the remedial design will be included in the design and/or the maintenance and contingency plan. These were developed based on closure and post-closure requirements of Title 22, and site-specific considerations.

- o The site shall have drainage systems to divert and transport water from the disposal area.

- o Permanent benchmarks shall be installed in conformance with accepted survey practices.
- o The magnitude of elevational drops, which occur as a result of settling and subsidence, shall be predicted. The prediction shall account for immediate settlement, primary consolidation, creep, liquefaction, and dynamic consolidation due to earthquake loads.
- o The final closure/post-closure plan shall contain an explanation of how the cover construction procedures and planned post-closure care are designed to accommodate or avoid the effects of differential settlement without loss of integrity of the cover.
- o A correlation between the desired permeability, and the density at which that permeability is achieved, must be established for the compacted barrier layer prior to installation.
- o Quality control and quality assurance procedures which shall be followed are included for the cover installation activities.
- o All slopes shall be designed and constructed to minimize the potential for failure.
- o The hazardous wastes/materials shall be protected from washout as a result of tides or floods having a predicted return frequency of once in 100 years.
- o All equipment for monitoring or other site controls, which are required to be operable following facility closure, shall be maintained or replaced for operability.
- o Annual site surveys shall be included in the post-closure care procedures.
- o The slopes and other conditions of the closed site shall be reconstructed to conform with DTSC requirements.

- o Annual reports shall be submitted to the Department describing measures undertaken during the post-closure period.
- o A gas probe monitoring plan shall be implemented, which will include a schedule for the monitoring of landfill gas probes to ensure that gas does not migrate from the wastefill.
- o A contingency plan shall be developed in the event that off-site gas migration is detected during monitoring. This plan shall include plans for the installation of additional and/or replacement gas extraction wells, adjustments to the collection system, and/or an enhancement of the monitoring program.
- o A cover monitoring plan shall be instigated with a schedule for periodic monitoring of the entire cover to ensure that no landfill gas is being emitted from the landfill especially beneath on-site buildings and in enclosed spaces.
- o A contingency plan shall be prepared in the event repair or regrading of the cover is necessary.
- o A monitoring plan and maintenance plan for the flare shall be prepared to ensure that the flare operates at its maximum efficiency.
- o A system of alarms and automatic shut-offs shall be installed on the flare system in the event that the flare cannot operate at acceptable efficiency.

5.4.2 DURATION OF OPERATION, MAINTENANCE, AND MONITORING

Maintenance and monitoring of the cover as described in Section 5.4.1 will be conducted for a minimum of 30 years. At that time the status of the site will be reviewed and recommendations for further maintenance and monitoring if required will be made. Based on the age of the landfill, the current gas

generation, and the amount of waste disposed, operation and maintenance of the gas collection system and flare are expected to last ten years. Monitoring of the site with perimeter probes will continue through the entire 30-year period.

5.4.3 COST ESTIMATE FOR OPERATION, MAINTENANCE, AND MONITORING

Present worth maintenance and monitoring costs for the cover over a 30-year period are anticipated to be \$1,000,000. This includes repair of cracking and periodic repaving of the asphalt surface.

Present worth operation and maintenance costs for the landfill gas flare over a 10-year lifetime are estimated to be approximately \$700,000. Operational costs for the flare are based upon an increasing supplemental fuel requirement due to decreasing volumes of methane over time, electrical needs, maintenance manpower and materials and source testing every two years.

Periodic operation and maintenance costs for the gas collection system are estimated to have a present worth value of \$250,000. The operational costs include probe monitoring, vertical well monitoring, instrument calibration, horizontal well monitoring, condensate handling, system monitoring and maintenance, materials, all manpower, and equipment.

5.4.4 ASSURANCE OF CONTINUED OPERATION AND MAINTENANCE

In order to assure the continued operation and maintenance of the preferred alternative an annual inspection and monitoring program, conducted by an independent, California registered engineer evaluating and documenting the condition of all surface improvements, drainage facilities, erosion control facilities, vegetative cover, gas control facilities, and monitoring facilities, shall be established.

5.5 ESTIMATED COST OF REMEDIATION

For this cost analysis, which was taken from the Feasibility Study Report, the estimated costs are based upon previous experience, discussions with contractors and equipment manufacturers, and the treatment descriptions and cover sequences previously described.

The accuracy of the costs used in this estimate may vary from -30% to +50%. That is, if the estimated cost is given as \$100, the actual cost is expected to be between \$70 and \$150. Only those costs which pertain directly to the site remediation were considered for this estimate. Costs for site development and improvement are not considered. Table 5-1 lists the total capital and yearly operation and maintenance costs for the Recommended Remedial Action. A cost sensitivity analysis, varying critical assumptions made for the cost estimate, has been included in Table 5-2.

Assumptions made during the cost analyses are as follows:

- o The cover cost estimate assumes that the asphalt and CMB layers will be placed across the entire site. However, beneath on-site buildings these layers will be replaced by a washed rock or sand layer and a reinforced concrete building slab, resulting in a reduction in the cost of the actual cover. The cost of the HDPE embedded in the concrete slab is not considered because it is considered part of the gas control system for the building and not part of the actual landfill cover.
- o The total cost for the entire project is exclusive of the cost of caissons used as the foundation for the proposed on-site building. Actual costs will not be known until test caissons can be placed onsite, and a construction and sealing method finalized.

- o The landfill gas flare cost estimate includes the costs for construction of the flare, associated blowers, valves, piping, fittings, electrical control mechanisms, manpower needs, the 8-foot high security wall, and the reinforced concrete foundation.
- o The total landfill gas flare cost includes the cost for construction of a concrete pad and an eight-foot high block wall with barbed wire.
- o The total landfill gas flow rate will initially be 80 scfm. The flare will be designed to process this volume.
- o The gas collection system consists of gas migration probes, gas collection pipes (headers), vertical collection wells and associated tie-ins and underground condensate tanks. The operational costs include probe monitoring, vertical well monitoring, instrument calibration, horizontal well monitoring, condensate handling, system monitoring and maintenance, materials, all manpower, and equipment.
- o Operation and maintenance costs for the flare are based upon an increasing supplemental fuel requirement due to decreasing volumes of methane gas over time, electrical needs, maintenance manpower and materials, and source testing every two years. Based on the size and age of the landfill, the flare and gas collection system are assumed to operate for ten years.
- o Maintenance costs for the cover include costs for patching cracks and applying seal coats periodically to the asphalt surface. One percent of the total area of the cover is assumed to require crack maintenance each year. For the purpose of this cost estimate, it is assumed that the asphalt/clay cover will require maintenance for a period of thirty years.

5.6 HEALTH AND SAFETY CONSIDERATIONS

All on-site personnel shall comply with the project site safety plan in accordance with the 29 CFR 1910.120 regulation. The site safety plan will be developed along with the final remedial design to address the specific safety issues associated with construction, operation and maintenance of the preferred alternative. Based on 29 CFR 1910.120, the following areas shall be addressed:

1. Safety and Health Program Manual
2. Site Characterization and Analysis Program
3. Site Control Plan
4. Training Program
5. Medical Surveillance Program
6. Engineering Controls
7. Air Monitoring Program
8. Informational Program
9. Decontamination Plan
10. Emergency Response Plan

All field personnel shall be certified for hazardous waste operations in accordance with the 1910.120 regulation.

SECTION 6.0

**APPLICABLE OR RELEVANT AND
APPROPRIATE REQUIREMENTS**

6.0 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Because the site is a landfill, Applicable or Relevant and Appropriate Requirements (ARARs) and To Be Considered Regulations (TBCs) related to closure and post-closure care apply. These include, but are not limited to, regulations dealing with the final cover design, surface emissions, flare performance, site grading, operation and maintenance, and end-use. In addition, there is a current land use restriction for this site which prevents penetration of the cover by more than one foot without prior approval from DTSC. The following is a summary of potential chemical specific, location specific, and action specific ARARs and TBCs, and how they will affect the Recommended Remedial Action.

It should be noted that Title 22 Closure and Post-Closure Regulations for interim status facilities are the only Closure/Post-Closure Regulations considered ARARs for the following reasons. The site is a DTSC lead site and may have received hazardous wastes. Therefore, Title 23 and Title 14 requirements, although relevant, are not applicable or appropriate. The site ceased waste acceptance prior to enactment of the Resource Conservation and Recovery Act (RCRA). Permitted hazardous waste disposal facilities are required to have low permeability bottom liner(s) which this site does not. Therefore, the site should be required to meet the standards for unlined interim status facilities. Closure and post-closure requirements under Title 22 have been included in Section 6.3.4, and will not be repeated in this section. Title 23 and Title 14 requirements have been included in this section for general information as TBCs, and should **not** be considered ARARs.

6.1 ACTION SPECIFIC ARARs

6.1.1 FLARE SYSTEM ACTION SPECIFIC ARARs

South Coast Air Quality Management District (SCAQMD) Action Specific ARARs for the Landfill Gas Flare System are as follows:

- o Rule 212 - Standards For Approving Permits

Summary - Rule 212 states that emissions from any source may not violate applicable sections of the California State Health and Safety Code (as listed in subsection (a) of Rule 212) and requires that public notification be made for significant projects.

Compliance - The combustion efficiency of the flare will ensure that the emissions do not violate the applicable sections of the California State Health and Safety Code. Appropriate public notification will be made if it is determined that the construction of the flare station is considered a significant project (as defined in subsection (c) of Rule 212).

- o Rule 401 - Visible Emissions

Summary - Rule 401 gives standards for the color or shade of any emission to the atmosphere.

Compliance - The nature of the fuel (landfill gas ranging as high as 55% methane) and the flare are such that the complete combustion process will ensure compliance with this rule.

- o Rule 402 - Nuisance

Summary - Rule 402 states that no person shall discharge from any source quantities of air contaminants which will cause a nuisance.

Compliance - The combustion efficiency of the flare is sufficient to mitigate the nuisance (i.e odor) properties of landfill gas.

- o Rule 404 - Particulate Matter - Concentration

Summary - Rule 404 gives discharge limits for particulate matter.

Compliance - Per SCAQMD Best Available Control Technology (BACT) Guidelines, a fuel filter/knockout drum will be installed which will remove particulates with an efficiency that will ensure compliance with this rule.

- o Rule 407 - Liquid and Gaseous Air Contaminants

Summary - Rule 407 sets emission standards for carbon monoxide (CO) and Sulfur compounds calculated as sulfur dioxide (SO₂).

Compliance - The combustion efficiency of the flare will ensure compliance with the limit for CO emissions. Per Subsection (c)(2) of Rule 407, Section (a)(2) relating to the limits on emissions of sulfur compounds does not apply to this process because the equipment is in compliance with Rule 431.1 - Sulfur Content of Gaseous Fuels.

- o Regulation 13 - New Source Review

Summary - Regulation 13 requires that Best Available Control Technology (BACT) as defined by SCAQMD for a Landfill Gas Flare be used. In addition, it requires that emission offsets be obtained, lists the most stringent ambient air quality standard and allowable change in concentration (if violating standard) for each air contaminant/averaging time combination, and requires air modeling for certain emission rates.

Compliance - BACT will be used in the flare station design. As essential public services, landfills qualify for emissions offsets from the priority reserve, therefore offsets will be supplied by SCAQMD. Air modeling will be performed if emission calculations show that it is required. The emissions will not violate ambient air quality standards.

- o Rule 1401 - New Source Review of Carcinogenic Contaminants

Summary - Rule 1401 specifies limits for maximum individual cancer risk and excess cancer cases from new permit units, relocations, or modifications to existing permit units which emit carcinogenic air contaminants.

Compliance - A health risk screening analysis will be performed to determine if the emissions of carcinogenic contaminants will be such that the limits on individual cancer risk and excess cancer cases will not be violated.

6.1.2 GAS COLLECTION SYSTEM ACTION SPECIFIC ARARs

SCAQMD Action Specific ARARs for the Gas Collection System are as follows:

- o Rule 403 - Fugitive Dust

Summary - Rule 403 states that a person shall not cause or allow the emissions of fugitive dust from any transport, handling, construction or storage activity so that the presence of the dust remains visible in the atmosphere beyond the property line of the emission source.

Compliance - All areas of construction and transportation on the landfill will be kept in a moist condition to mitigate dust during the construction of the gas collection system.

6.1.3 LANDFILL EXCAVATION ACTION SPECIFIC ARARs

SCAQMD Action Specific ARARs for the excavation of the landfill are as follows:

- o Rule 1150 - Excavation of Landfill Sites

Summary - Rule 1150 states that no person shall initiate excavation of an active or inactive landfill without an Excavation Management Plan approved by the SCAQMD Executive Officer.

Compliance - Excavation of landfills for the purpose of installing landfill gas collection wells is exempted from this rule, however, an Excavation Management Plan will be filed with SCAQMD for any other necessary excavation.

6.2 ACTION SPECIFIC TBCs

6.2.1 CALIFORNIA CODE OF REGULATIONS, TITLE 23, DIVISION 3, CHAPTER 15 (CLOSURE)

- o SECTION 2580 - GENERAL CLOSURE REQUIREMENTS

Closure shall be under the direct supervision of a registered civil engineer or a certified engineering geologist.

Closed waste management units shall be provided with at least two permanent monuments installed by a licensed land surveyor or a registered civil engineer, from which the location and elevation of wastes, containment structures, and monitoring facilities can be determined throughout the post-closure maintenance period.

Vegetation for closed waste management units shall be selected to require minimum irrigation and maintenance, and shall not impair the integrity of containment structures including the final cover.

o SECTION 2581 - LANDFILL CLOSURE REQUIREMENTS

- Grading Requirements

Closed landfills shall be graded and maintained to prevent ponding and to provide slopes of at least three percent. Lesser slopes may be allowed if an effective system is provided for diverting surface drainage from covered wastes.

Areas with slopes greater than ten percent, surface drainage courses, and areas subject to erosion by water and wind shall be protected or designed and constructed to prevent such erosion.

- Final Cover Requirements

Closed landfills shall be provided with not less than two feet of appropriate materials as a foundation layer for the final cover. These materials may be soil, contaminated soil, incinerator ash, or other waste materials, provided that such materials have appropriate engineering properties to be used for a foundation layer. The foundation layer shall be compacted to the maximum density obtainable at optimum moisture content using methods that are in accordance with accepted civil engineering practice.

Closed landfills shall be provided with not less than one foot of soil, containing no waste or leachate, placed on top of the foundation layer and compacted to attain a permeability of either 1×10^{-6} cm/sec or less, or equal to the permeability of any bottom liner system or underlying natural geologic materials, whichever is less.

Closed landfills shall be provided with not less than one foot of soil, containing no waste or leachate, placed on top of the material described in Subsection (a) (2) of any vegetation planted on the cover shall not exceed the depth to the material described in Subsection (a) (2) of this section.

The cover shall be designed and constructed to function with the minimum maintenance possible.

6.2.2 CALIFORNIA CODE OF REGULATIONS, TITLE 14, CHAPTER, 3,
ARTICLE 7.8 (CLOSURE)

o SECTION 17773 - FINAL COVER

The final cover shall be designed by a registered civil engineer or certified engineering geologist.

A minimum thickness and quality of cover material, in accordance with CCR Title 23, Chapter 15, Section 2581 shall be placed over the entire surface of the final lift as the site reaches final configuration.

o SECTION 17774 - CONSTRUCTION QUALITY ASSURANCE

The construction quality assurance (CQA) program shall provided evidence that materials and procedures utilized in the placement of the final cover will be tested, constructed, and monitored in accordance with the design specifications proposed in the approved closure plan.

A registered civil engineer or certified engineering geologist shall prepare the CQA plan and supervise the CQA program.

o SECTION 17776 - FINAL GRADING

The site shall be designed with final grades 1) to accommodate anticipated future settlement, 2) in accordance with CCR Title 23, Chapter 15, Section 2581 minimum grading standards, and 3) to reduce run-off velocities to protect the final cover from soil erosion.

The final grading design shall be developed through an analysis of each function by a registered civil engineer or certified engineering geologist.

The slope configurations and drainage methods shall be specifically designed, depending upon local topography, climate, and post-closure land use.

o SECTION 17778 - FINAL DRAINAGE

A final drainage system shall be designed, constructed, graded, and maintained in accordance with CCR Title 23, Chapter 15, Section 2546 (a).

The final drainage design shall be developed through an engineering analysis by a registered civil engineer.

A drainage system shall include:

- Design features to divert sheet run-off, and
- Run-on controls to function as diversionary structures to intercept and convey water to collection facilities.

Any drainage layer in the final cover shall be designed and constructed to intersect with the final drainage system.

o SECTION 17779 - SLOPE PROTECTION AND EROSION CONTROL

The operator shall develop and implement procedures to protect the integrity of the final cover and enhance its ability to prevent erosion.

The procedures developed shall be designed by a registered civil engineer or certified engineer geologist.

6.2.3 CALIFORNIA CODE OF REGULATIONS, TITLE 23, DIVISION 3,
CHAPTER 15 (MONITORING)

o SECTION 2554 - COMPLIANCE PERIOD

The regional board shall specify in waste discharge requirements the compliance period during which water quality protection standards apply. The compliance period is equal to the active life to the waste management unit, plus the closure and the post-closure maintenance periods.

The regional board shall incorporate monitoring and corrective action measures necessary to achieve compliance with water quality protection standards into waste discharge requirements that extend through the compliance period.

o SECTION 2555 - GENERAL GROUNDWATER MONITORING REQUIREMENTS

The groundwater monitoring system shall be designed and certified by a registered geologist or a registered civil engineer and shall consist of a sufficient number of wells, installed at appropriate locations and depths to yield groundwater samples that represent:

- The background water quality; and
- The quality of groundwater passing the points of compliance.

All monitoring wells shall be constructed in a manner that maintains the integrity of the drill hole and prevents cross-contamination of saturated zones.

The groundwater monitoring program shall include consistent and appropriate sampling, analytical procedures that accurately measure indicator parameters, and waste constituents to provide a reliable

indication of groundwater quality. At a minimum, the program shall include procedures and techniques for:

- Sample collection;
- Sample preservation and shipment;
- Analytical procedures; and
- Chain-of-Custody control.

6.2.4 CALIFORNIA CODE OF REGULATIONS, TITLE 14, CHAPTER 3, ARTICLE 7.8 (MONITORING)

o SECTION 17782 - GROUNDWATER MONITORING DURING CLOSURE AND POST-CLOSURE

Groundwater shall be monitored by the operator during the period of closure and post-closure to ensure the protection of public health and the environment. The operator shall institute Detection monitoring, and, if necessary, Verification monitoring provisions pursuant to the groundwater monitoring requirements of CCR Title 23, Chapter 15, Article 5.

The installation of the groundwater monitoring network and local groundwater hydrology shall be described as part of the closure plan.

Corrective actions shall be performed in accordance with CCR Title 23, Chapter 15.

Groundwater monitoring during post-closure shall continue until leachate is either no longer being produced or poses no threat to water quality.

o SECTION 17783 - GAS MONITORING AND CONTROL DURING CLOSURE AND POST-CLOSURE

To provide for the protection of public health and safety and the environment, the operator shall ensure that landfill gases generated at a facility are controlled during the periods of closure and post-closure maintenance, in accordance with the following requirements:

- The concentration of methane gas must not exceed 1.25% by volume in air within on-site structures.
- The concentration of methane gas migrating from the landfill must not exceed 5% by volume in air at the facility property boundary.
- Trace gases shall be controlled to prevent adverse acute and chronic exposure to toxic and/or carcinogenic compounds.

The operator shall implement a gas monitoring program at the facility in accordance with the following requirements:

- The gas monitoring network shall be designed by a registered civil engineer or a certified engineering geologist, and shall ensure detection of the presence of landfill gas migrating beyond the landfill property boundary and into on-site structures.

The monitoring network shall be designed to account for the following specific site characteristics, and potential migration pathways or barriers, including:

- o local geological and hydrogeological conditions at the facility;
- o locations of buildings and structures relative to the waste deposit area;

- o man-made pathways, such as underground construction; and
- o the nature and age of waste and its potential to generate landfill gas.

Gas monitoring and control systems shall be modified, during the closure and post-closure maintenance period, to reflect changing on-site and adjacent land uses. Post-closure land use at the site shall not interfere with the function of gas monitoring and control systems. The operator may request a reduction of monitoring or control activities based upon the results of monitoring data collected.

- o **SECTION 17783.7 - STRUCTURE MONITORING**

The monitoring network design shall include provisions for monitoring on-site structures, including but not limited to buildings, subsurface vaults, utilities or any other areas where potential gas build-up would be of concern. The proposal shall address on-site structures, both adjacent to and on top of the waste deposit area.

Structures located on top of the waste deposit area shall be monitored on a continuous basis.

6.2.5 **CALIFORNIA CODE OF REGULATIONS, TITLE 23, DIVISION 3, CHAPTER 15 (POST-CLOSURE)**

- o **SECTION 2581 (c) - POST-CLOSURE MAINTENANCE REQUIREMENTS**

The discharger shall maintain the final cover as necessary to correct the effects of settlement or other adverse factors.

The discharger shall maintain monitoring systems and monitor the groundwater, surface water, and the unsaturated zone in accordance with applicable requirements.

The discharger shall protect and maintain surveyed monuments.

The discharger shall prevent erosion and related damage of the final cover due to drainage.

6.2.6 CALIFORNIA CODE OF REGULATIONS, TITLE 14, CHAPTER 3,
ARTICLE 7.8 (POST-CLOSURE)

o SECTION 17788 - POST-CLOSURE MAINTENANCE

The operator shall cause the landfill to be maintained and monitored for a period of not less than thirty (30) years after the completion of closure.

Maintenance and monitoring shall include: maintenance of the final cover, groundwater and gas monitoring, and maintenance of the components of the systems.

o SECTION 17796 - POST-CLOSURE LAND USE

Construction improvements on the site shall maintain the integrity of the final cover, any liner(s), all components of the containment system(s), and the functions of the monitoring system(s).

Construction of structural improvements on top of landfilled areas during the post-closure period shall meet the following conditions:

- Automatic methane gas sensors designed to trigger an audible alarm when methane concentrations are detected, shall be installed in all buildings constructed on closed sites;
- Enclosed basement construction is prohibited;
- Buildings shall be constructed to mitigate the effects of gas accumulation, which may include an active gas collection or vent system;

- All utility connections shall be designed with flexible connections and utility collars;
- Utilities shall not be installed in or below the barrier layer of final cover, and;
- Pilings shall not be installed in or through the barrier layer of the final cover or any liner. This prohibition does not apply if a site has no liner.

6.3 CHEMICAL SPECIFIC ARARs

6.3.1 FLARE SYSTEM CHEMICAL SPECIFIC ARARs

SCAQMD Chemical Specific ARARs for the Landfill Gas Flare System are as follows:

- o Rule 431.1 - Sulfur Content of Gaseous Fuels

Summary - Rule 431.1 sets limits on the allowable concentration of sulfur compounds in the landfill gas to be processed by the flare and requires a continuous sulfur monitor to be installed by May of 1993.

Compliance - The landfill gas is not expected to exceed the allowable sulfur concentration. However, if it is in excess of the allowable concentration, a scrubber or other approved device will be installed to decrease the sulfur concentration in the landfill gas below the regulatory limit. A continuous sulfur monitor will be installed by May of 1993.

- o Rule 1150.2 - Control of Gaseous Emissions From Inactive Landfills

Summary - Rule 1150.2 sets limits on the allowed emissions of organics measured as methane from the landfill.

Compliance - The gas collection and flare system will allow the landfill to meet the requirements of this rule.

SECTION 7.0

SUMMARY OF CEQA IMPACTS

7.0 SUMMARY OF CEQA IMPACTS

The California Environmental Quality Act (CEQA) requires the completion of an Environmental Impact Assessment for all major remediation projects which may impact public health and the environment. In response to this requirement, an initial study has been performed for the project. The actual CEQA documents have been included as Appendix C to this RAP.

The project has been designed and developed to mitigate potential impacts to public health and the environment. However, particularly during construction activities, some short-term adverse impacts may result. These impacts are described in Section 7.1. Measures taken to mitigate these impacts are summarized in Section 7.2. With implementation of the mitigation measures delineated in Section 7.2, the impacts associated with the project are not considered significant, and are necessary for completion of the site closure activities.

7.1 ENVIRONMENTAL IMPACTS

Environmental impacts associated with implementation of the recommended remedial action program are described as follows:

- o The construction of the cover will result in the disruption, compaction and overcovering of site soils, and a change in topography at the site. In this instance these impacts are not considered adverse because the net environmental impact of these changes (ie. a reduction in the volume of rain water infiltrating into the landfill, and the reduced risk of groundwater contamination) will be positive.
- o During construction of the cover and gas collection system, landfill gas, dust, and/or objectionable odors may be released to the atmosphere. In addition, the landfill gas flare will be a potential new emission source at the site.
- o The constructed cover will result in changes in absorption rates, drainage patterns, and the rate and amount of surface runoff from the site.

- o Construction of the cover will result in the elimination of all existing plant and animal life at the site.
- o Borings drilled into the landfill during construction of the of the gas collection system may result in an increased risk of explosion at the site during construction.
- o The landfill gas flare will result in a need for an electrical power supply at the site. This is not considered a significant impact because the amount of power required to operate the flare will not place an extraordinary drain on the electrical utility company supplying the area.

7.2 MITIGATION MEASURES

Mitigation measures which will be taken to lessen the impacts listed in Section 7.1 are as follows:

- o To reduce the impacts of the potential release of landfill gas, dust and/or objectionable odors, the construction area will be wetted lightly for dust control, trenching will be conducted in short segments to reduce the amount of exposed trash, and drilling operations will discharge into an environmentally engineered containment system to control emissions. In addition, the landfill gas flare will operate in accordance with all applicable SCAQMD emissions standards.
- o The potential increase in surface water runoff from the site will be mitigated through construction of inlet boxes along Main Street and Figueroa Streets which will tie into the storm drains running beneath those streets. The site will be graded such that all rainwater falling on the site will flow into these inlet boxes and not impact adjacent properties.
- o No mitigation measures will be implemented to preserve the existing plant and animal life at the site because there are no known endangered, threatened, or rare species or habitats occurring in the vicinity of the site.

- o The risk of explosion will be mitigated through the use of drilling methods which will allow adequate ventilation down the borings to prevent the buildup of landfill gas to explosive levels.

SECTION 8.0

PROPOSED IMPLEMENTATION SCHEDULE

**TABLE 8-1
GARDENA VALLEY 1 & 2 LANDFILL
REMEDIAL ACTION PLAN
PRELIMINARY IMPLEMENTATION SCHEDULE**

| PHASES | WEEKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | | | | | | | | |
| I. DTSC Approval of the RAP | | | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| II. Design and Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preparation of Cover Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preparation of Gas Collection Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preparation of Flare Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Submittal of SCAQMD Permit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DTSC Review of Remedial Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finalization of Remedial Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DTSC Approval of Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City of Carson Permits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| III. Implementation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Requests for Proposals/Contractor Selection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobilization of Sub-Contractors and Suppliers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction of Cover and Gas Collection System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flare Construction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

8.0 PROPOSED IMPLEMENTATION SCHEDULE

The proposed, preliminary implementation schedule for the RAP is presented in Table 8-1. The Design and Permitting Phase will require approximately 6 months. Most of the time involved is for preparation of the various plans, designs and permitting. The actual construction of the cover, gas collection system, and flares will take approximately 3 to 4 months.

The following schedule will outline the tasks and activities expected during this program and the durations. Please note that the time scheduled for the flare and gas collection systems designs overlap the SCAQMD permit approval period. The system designs are essentially complete at submittal to SCAQMD. However, comments by SCAQMD may require design revisions up to the point of submittal to DTSC, resulting in the overlap. In addition, in accordance with the consent agreement for this project, a detailed workplan containing technical and operational plans and engineering designs for implementation of the approved remedial action and a schedule for implementing the construction phase of the project will be submitted for DTSC approval within 90 calendar days after DTSC approval of the RAP.

SECTION 9.0
FINANCIAL RESPONSIBILITY

9.0 FINANCIAL RESPONSIBILITY

In accordance with Health and Safety Code 25356.1 (d) and 25356.3 (c) the following determinations have been made as to the parties responsible for the site and the non-binding allocation of their financial responsibility regarding payment for the mitigation.

9.1 POTENTIALLY RESPONSIBLE PARTIES

The Department of Toxic Substances Control (DTSC) has determined that the parties potentially responsible for site mitigation at the Gardena Valley 1 & 2 Landfill are as follows:

1. Shell Oil Chemical Division of Shell Oil Company headquartered at One Shell Plaza, Houston, TX 77001.
2. U.S. Gypsum headquartered at 101 S. Wacker Drive, Chicago, IL 60606.
3. Ritchfield Refinery - Atlantic Richfield Corporation located at 515 S. Flower St., Los Angeles, CA 90051.
4. City of Los Angeles Hyperion Treatment Plant.
5. General Motors Corporation headquarter at 3044 W. Grand Blvd., Detroit, MI 48202.
6. The Bereda Corporation located at 2233 Huntington Drive, San Marino, CA 91108.
7. Burt W Martin located at 2075 W. Mountain Street, Glendale, CA 91201.
8. William R. Ward, status and address unknown at this time.
9. H.M. Jordan, status and address unknown at this time.

10. Watt/Walder located at 2716 Ocean Park Blvd., Santa Monica, CA 90405.

The basis for designation of the generators (Party #1 through #5), the operator (Party # 6), and previous site owners (Parties #7 through #9) as potential responsible parties is provided in the Potential Responsible Party Search Report (Appendix D). The basis for the owner (Party #10) as a potential responsible party is that Watt/Walder is the current owner of the site. It should be noted that addresses for parties #8 and #9 could not be determined although an extensive effort was made to locate these individuals, including reviews of county property assessment records, voter registration rolls, Dunn & Bradstreet listings, Uniform Commercial Code filings, marriage and death records, and telephone directories.

There are a number of parties who may also be responsible for the cleanup of the site. These parties are not named herein due to a lack of evidence specifically connecting them to the Gardena Valley 1 & 2 operation.

the following

9.2 ALLOCATION OF FINANCIAL RESPONSIBILITY

DTSC has determined that the non-binding allocation of financial responsibility for the remediation should be divided among the potentially responsible parties. This is to say that each of the ten above named parties bears 10% of the total costs for the mitigation of the site.

The above allocation is non-binding and preliminary and does not limit, strict, joint, or severe liability under CERCLA and other laws. London Pacific Investments has proposed that it will advance 100 percent of the funds necessary for cleanup without prejudice to its right to seek contribution from other responsible parties.

SECTION 10.0

REFERENCES

10.0 REFERENCES

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- U.S. EPA, 1989. Risk Assessment Guidance for Superfund. Volume I. Human Health Evaluation Manual (Part A). U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. Washington, D.C. EPA/540/1-89/002.
- USGS, 1981. Torrance Quadrangle 7.5 Minute Topographic Map. U.S. Geological Survey. Denver, CO.

APPENDIX A
SPEC DATA SHEETS

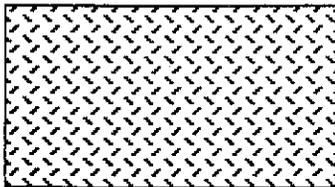
**SPEC - DATA SHEET
TYPICAL CLAY COVER
WITH ASPHALT CONCRETE
PROPOSED ALTERNATIVE**

LAYER 1

Asphalt Concrete Cross section of watertight lining



4- inch Asphalt Concrete



15-inch Crushed Miscellaneous Base
(Layer 2, not part of Layer 1)

LAYER 2

18-INCH CRUSHED MISCELLANEOUS BASE:

Material shall conform with Section 200-2.4 (attached) of the Standard Specifications for Public Works Construction, 1991 Edition. Subgrade preparation, placement, compaction, and finish of crushed miscellaneous material shall comply with the requirements of Section 301-1 and 301-2 of the SSPWC.

FILTER FABRIC

| | |
|-----------------------|-------------------------|
| Apparent opening size | 100 U.S. sieve |
| Flow rate | 150 gpm/ft ² |
| Grab tensile strength | 100 lbs. |
| Weight | 4 oz/yd ² |

LAYER 3

18-INCH COMPACTED CLAY LAYER

Material: Imported clay (SC, CL, CH) to meet EPA document SW 867 and the following.

Conductivity = 10^{-6} cm/sec

Grain Size - 30% by weight pass a No. 200 U.S.
100% by weight pass 3-inch standard sieve

Compaction -90% at 120% of optimum moisture

Alternate Material: Bentonite clay and native soil blend mixed onsite to meet (SC, CL, CH) specifications and EPA document SW867.

Bentonite Conductivity: 10^{-8} cm/sec

Grain Size: 100% by weight passing - 200 mesh standard sieve

Bentonite Expansion Index: 289 (UBC 29-2)

Bentonite/Soil Blend Conductivity: 10^{-6} cm/sec

LAYER 4

3-INCH GAS VENT LAYER AND TRENCH FILL MATERIAL

Material: 3/4-inch crushed rock and dust
Conforming with Section 200-1.R Crushed Rock & Dust of Standard Specifications for Public Works Construction, 1991.

Grain Size: 30 - 60% passing 1" sieve
90 - 100% passing 3/4" sieve
100% passing 1/7" sieve

CORRUGATED PIPE

See attached AASHTO Specifications.

FILTER FABRIC

| | |
|-----------------------|-------------------------|
| Apparent opening size | 100 U.S. sieve |
| Flow rate | 150 gpm/ft ² |
| Grab tensile strength | 100 lbs. |
| Weight | 4 oz/yd ² |

LAYER 5

21-INCH RANDOM SOIL LAYER

| | |
|-------------|---|
| Material: | On-site cover soils and imports as needed |
| Compaction: | 90% at optimum moisture |
| Grain Size: | 3 inches and less in the top 12 inches |

NOTE: Layer 4 and Layer 5 comprise the minimum required Foundation Layer of 24-inches.

**SPEC - DATA SHEET
TYPICAL PROPOSED COVER
BENEATH ON-SITE BUILDINGS**

LAYER 1

20-MIL FML EMBEDDED IN THE CONCRETE SLAB

20 mil HDPE Guideline HD or equivalent.

LAYER 2

BUILDING GAS VENT LAYER 12 INCHES

Material: Washed rock or coarse sand
Conductivity: 10^{-2} cm/sec

FILTER FABRIC

Apparent opening size 100 U.S. sieve
Flow rate 150 gpm/ft²
Grab tensile strength 100 lbs.
Weight 4 oz/yd²

LAYER 3

18-INCH COMPACTED CLAY LAYER

Material: Imported clay (SC, CL, CH) to meet EPA document
SW 867 and the following.

Conductivity = 10^{-6} cm/sec

Grain Size - 30% by weight pass a No. 200 U.S.
100% by weight pass 3-inch standard sieve

Compaction - 90% at 120% of optimum moisture

Alternate Material: Bentonite clay and native soil blend mixed onsite to meet (SC,CL,CH) specifications and EPA document SW867.

Bentonite Conductivity: 10⁻⁸ cm/sec

Grain Size: 100% by weight passing - 200 mesh standard sieve

Bentonite Expansion Index: 289 (UBC 29-2)

Bentonite/Soil Blend Conductivity: 10⁻⁶ cm/sec

LAYER 4

3-INCH GAS VENT LAYER AND TRENCH FILL MATERIAL

Material: 3/4-inch crushed rock and dust
Conforming with Section 200-1.R Crushed Rock & Dust of Standard Specifications for Public Works Construction, 1991.

Grain Size: 30 - 60% passing 1" sieve
90 - 100% passing 3/4" sieve
100% passing 1/7" sieve

CORRUGATED PIPE

See attached AASHTO Specifications.

FILTER FABRIC

| | |
|-----------------------|-------------------------|
| Apparent opening size | 100 U.S. sieve |
| Flow rate | 150 gpm/ft ² |
| Grab tensile strength | 100 lbs. |
| Weight | 4 oz/yd ² |

LAYER 5

21-INCH RANDOM SOIL LAYER

Material: On-site cover soils and imports as needed

Compaction: 90% at optimum moisture

Grain Size: 3 inches and less in the top 12 inches

NOTE: Layer 4 and Layer 5 comprise the minimum required Foundation Layer of 24-inches.

Corrugated Polyethylene Drainage Tubing

AASHTO DESIGNATION: M 252-85

1. SCOPE

1.1 This specification covers the requirements and methods of test for corrugated polyethylene (PE) tubing, couplings and fittings for use in subsurface drainage systems, where soil support is given to the tubing's flexible walls in all applications.

1.1.1 Nominal sizes of 3 to 10 inches (76 to 254 mm) are included.

1.1.2 Materials, dimensions, pipe stiffness, elongation resistance, environmental stress-crack resistance, perforations, joining systems and form of markings are specified.

NOTE 1—When polyethylene tubing is to be used in locations where the ends may be exposed consideration should be given to protection of the exposed portions due to combustibility of the polyethylene and the deteriorating effects of prolonged exposure to ultraviolet radiation.

2. APPLICABLE DOCUMENTS

2.1 *ASTM Standards:*

D 618 Method for Conditioning Plastics and Electrical Insulating Materials for Testing

D 883 Definition of Terms Relating to Plastics

D 1248 Specification for Polyethylene Plastics Molding and Extrusion Materials

D 1693 Test Method for Environmental Stress Cracking of Ethylene Plastics

D 2122 Method of Determining Dimensions of Thermoplastic Pipe and Fittings

D 2412 Test Method for External Loading Properties of Plastic Pipe by Parallel-Plate Loading

F 412 Definitions of Terms Relating to Plastic Piping Systems

3. NOMENCLATURE

3.1 The terminology used in this standard is in accordance with the definitions given in ASTM D 883 and ASTM F 412 unless otherwise specified.

3.2 *Crack:* Any break or split that extends through the wall.

3.3 *Crease:* An irrecoverable indentation; generally associated with wall buckling.

4. USES

4.1 Corrugated polyethylene tubing is intended for subsurface drainage, where soil support is given to the tubing's flexible walls.

4.2 Corrugated fittings complying with the requirements of this specification may be used with this tubing.

5. MATERIALS

5.1 *Basic Materials*—Pipe and fittings shall be made of virgin PE compounds which conform with the requirements of Type III, Category "4" or "S", Grade P 33, Class C, or Grade P 34, Class C as defined and described in ASTM D 1248.

5.2 *Reworked Material*—Clean reworked material generated from the manufacturer's own production may be used by the manufacturer provided that the tubing or fittings produced meet all requirements of this specification.

6. REQUIREMENTS

6.1 *Workmanship*—The tubing and fittings shall be free of foreign inclusions and visible defects as defined herein. The ends of the tubing shall be cut squarely and cleanly so as not to adversely affect joining or connecting.

6.1.1 *Visible Defects*—Cracks, creases, unpigmented or nonuniformly pigmented tubing are not permissible.

6.2 Tubing Dimensions

6.2.1 *Nominal Size*—The nominal size for the tubing and fittings is based on the nominal inside diameter of the tubing. Nominal diameters shall be sized in not less than one inch increments from 3 to 10 inches (76 to 254 mm) inclusive.

6.2.2 *Inside Diameter Tolerances*—The tolerance on the specified inside diameter shall be +3, -1.5 percent when measured in accordance with Section 8.8.1.

6.2.3 *Length*—Corrugated PE tubing is an extruded product and may be sold in any length agreeable to the user. Lengths shall not be less than 99 percent of the stated quantity when measured in accordance with Section 8.8.2.

6.3.1 The maximum allowable gap between fitting and tubing shall not exceed $\frac{1}{8}$ in. (3.18 mm) unless otherwise specified.

6.3.2 All fittings shall be within an overall length dimensional tolerance of ± 0.5 in. (± 12.7 mm) of the manufacturer's specified dimensions.

6.4 *Perforations*—When perforated tubing is specified, the perforations shall be cleanly cut so as not to restrict the inflow of water, and uniformly spaced along the length and circumference of the tubing. All measurements shall be made in accordance with Section 8.8.3. Circular perforations shall not exceed $\frac{3}{16}$ in. (4.76 mm) in diameter. Width of slots shall not exceed $\frac{1}{8}$ in. (3.18 mm). The length of individual slots shall not exceed $1\frac{1}{4}$ in. (31.8 mm) on 3 in. (76 mm) diameter tubing, 10 percent of the tubing inside nominal circumference on 4 to 8 in. (102 to 203 mm) diameter tubing, and $2\frac{1}{2}$ in. (64 mm) on 10 in. (254 mm) diameter tubing. Slots shall be centered in the valleys of the corrugations. The water inlet area shall be a minimum of 1 square inch per linear foot ($2117\text{ mm}^2/\text{m}$) of tubing.

6.5 *Pipe Stiffness*—The tubing shall have a minimum pipe stiffness (PS) of 35 psi (241 kPa) at 5 percent deflection when tested in accordance with Section 8.1. The tubing tested shall contain perforations, if specified.

6.6 *Pipe Flattening*—There shall be no evidence of wall buckling, cracking, splitting, or delamination, when the tubing is tested in accordance with Section 8.2.

6.7 *Elongation*—Three specimens of tubing, containing perforations if specified, shall be tested in accordance with Section 8.3, if tubing is supplied in lengths of 10 feet (3 m) or more.

6.7.1 The average elongation shall be 5 percent or less. For tubing having a higher elongation, the specimens shall meet the requirements of Section 6.7.2.

6.7.2 Tubing having an elongation greater than 5 percent shall be further tested in accordance with Section 8.4. Three specimens shall be tested; the average value of pipe stiffness (PS) shall be as required in Section 6.5.

6.8 *Environmental Stress Cracking*—There shall be no cracking of the tubing when tested in accordance with Section 8.5.

6.9 *High Temperature Strength*—There shall be no creasing in the tubing when tested in accordance with Section 8.6.

6.10 *Low Temperature Flexibility*—There shall be no cracking when tested in accordance with Section 8.7.

6.11 Fitting Requirements

6.11.1 The fittings shall not reduce or impair the overall integrity or function of the tubing line.

6.11.2 Common corrugated fittings include in-line joint fittings, such as couplings and reducers, and branch or complementary assembly fittings such as tees, wye's and end caps. These fittings are installed by various methods, such as snap-on, screw-on, and wrap around.

NOTE 3—Only fittings supplied or recommended by the tubing manufacturer should be used.

6.11.3 Fittings shall not reduce the inside diameter of the tubing being joined by more than 5 percent of the nominal inside diameter. Reducer fittings shall not reduce the cross-sectional area of the smaller size.

6.11.4 Tubing in in-line fittings shall not separate when tested in accordance with Section 8.9.1.

6.11.5 The fitting shall not crack or crease when tested in accordance with Section 8.9.2.

6.11.6 The design of the fittings shall be such that when connected with the tubing, the axis of the assembly will be level and true when tested in accordance with Section 8.9.3.

7. CONDITIONING

7.1 *Conditioning*—Condition the specimen prior to test at $70\text{--}77^\circ\text{F}$ ($23 \pm 2^\circ\text{C}$) for not less than forty hours in accordance with Procedure A in ASTM D 618 for those tests where conditioning is required, and unless otherwise specified.

7.2 *Conditions*—Conduct the test in a laboratory temperature of $70\text{--}77^\circ\text{F}$ ($23 \pm 2^\circ\text{C}$) unless otherwise specified herein.

8. TEST METHODS

8.1 *Pipe Stiffness*—Weigh a minimum of three tubing specimens and test for pipe stiffness, (PS), as described in ASTM D 2412 except for the following: (1) The test specimens shall be $12 \pm \frac{1}{8}$ in. (305 ± 3 mm) long. (2) Locate the first specimen in the loading machine with an imaginary line connecting the two seams formed by the corrugation mold (end view) parallel to the loading plates. The specimen must lie flat on the plate within $\frac{1}{8}$ in. and may be straightened by hand bending at room temperature to accomplish this. Use the first location as a reference point for rotation and testing of the other two specimens. Test each specimen in one position only. (3) The deflection indicator shall be readable and accurate to $+0.001$ in. (0.02 mm). (4) The residual curvature found in corrugated tubing frequently results in an erratic initial load/deflection curve. When this occurs, project the lineal portion of the load/deflection curve between 0 and 5 percent deflection until it intersects the deflection axis. This point shall be considered as the origin of the load/deflection curve.

NOTE 4—The parallel plates must exceed the length of the test specimen as specified above.

shall pass if no wall buckling, cracking, splitting, or delamination is observed under normal light with the unaided eye.

8.3 Elongation—Each specimen shall be 50 in. (1.27 m) long suspended with its longitudinal axis vertical. Loads shall consist of a tare weight of \underline{D} lb or less, and an additional minimum test weight of 5 \underline{D} lb, where \underline{D} is the nominal inside diameter of the specimen in inches. Perform the test as follows: (1) Hang the tare weight from the lower end of the specimen, (2) mark a gage length of 30 in. \pm 0.1 in. (762 mm \pm 3 mm) on the central portion of the specimen length, (3) apply the test weight gently, and allow to remain 3 minutes; remeasure gage length to the nearest 0.1 in. (3 mm). Calculate the elongation, E , in percent, as follows:

$$E = \frac{(\text{in. of elongation} \times 100)}{30} \% \quad \text{or} \quad E = \frac{(\text{mm of elongation} \times 100)}{762} \%$$

8.4 Pipe Stiffness While Elongated—Remove a 30 in. (0.76 m) sample defined by the gage length, from the specimen used in Section 8.3 and test for pipe stiffness at 5 percent deflection as described in ASTM D 2412 except for the following conditions: (1) Elongate the test specimen as shown in Fig. 2 to the percent elongation (E) as measured in Section 8.3 and perform the test in this condition; (2) support the specimen on a rigid base plate 24 in. (610 mm) in length; (3) apply load through an upper plate 12 in. (305 mm) in length located at midlength of the specimen.

8.5 Environmental Stress Cracking—Test sections of the tubing for environmental stress cracking in accordance with ASTM D 1693, except for the following modification:

8.5.1 Three specimens shall be tested.

8.5.2 Each specimen shall consist of a 90° arc length of tubing without perforations as shown in Figure 1.

8.5.3 Bend the specimens to shorten the inside chord length 20 ± 1 percent and retain in this position using a suitable holding device. Determine the arc chord dimension (B) of the specimen under test as follows:

$$B = 0.8 A$$

where: A = the inside chord dimension before bending

B = the same dimension taken after bending (see Figure 1).

8.5.4 Place the bent specimen in a container of suitable size and cover completely with a preheated wetting agent at $122 \pm 3.6^\circ\text{F}$ ($50^\circ\text{C} \pm 2^\circ\text{C}$). Maintain this temperature for 24 hours, and then remove the sample and inspect immediately.

NOTE 5—The wetting agent used in this test is 100 percent "Igepal CO-630", a trade name for nonphenolic poly (ethyleneoxy) ethanol.

8.6 High Temperature Strength—The tubing specimen shall be tested in accordance with ASTM D 2444. A Tup B, weighing 5.5 pounds (2.5 kg) shall be used and height of drop shall be 1.8 feet (0.55 m). The specimens shall be conditioned for 24 hours at a temperature of $120^\circ\text{F} + 5^\circ\text{F}$ ($49^\circ\text{C} + 2.8^\circ\text{C}$) and all tests shall be conducted within 60 seconds of removal from this atmosphere.

8.7 Low Temperature Flexibility—There shall be a minimum of three test specimens, each having a minimum length of 5 ft. (1.5 m). The specimens shall be conditioned at a temperature of 25°F (-3.9°C) for a period of 24 hours. The 8 in. (203 mm) and smaller diameter test specimen shall be bent over a 15 in. (381 mm) mandrel and the 10 in. (254 mm) specimen shall be bent over a 20 in. (508 mm) mandrel, with the 180° being completed within 30 seconds of removal from the conditioning atmosphere. The specimens shall then be visually inspected for cracking.

8.8 Tubing Dimensions

8.8.1 Inside Diameter—Measure the inside diameter of the tubing with a tapered plug in accordance with ASTM D 2122. Or measure the inside diameter of two sections, with a suitable device accurate to $\pm 1/8$ " at two random positions 90 degrees to each other, and average the four measurements.

8.8.2 Length—Measure tubing with any suitable device accurate to $\pm 1/4$ in. (± 6.35 mm) in ten feet (3 m) (0.2 percent). Make all measurements on the tubing while it is stress-free and at rest on a flat surface in a straight line.

8.8.3 Perforations—Measure dimensions of perforations on a straight specimen with no external forces applied. Make linear measurements with instruments accurate to 0.01 in. (0.2 mm).

8.9 Fittings

8.9.1 Joint Integrity—Assemble in-line joint fittings to appropriate tubing in accordance with the manufacturer's recommendations. Use tubing samples at least 6 in. (150 mm) in length. Use the hanging weight test procedure described in Section 8.3. Verify that the joint will withstand a load, in pounds, along the tubing axis equal to five times the nominal inside diameter, in inches, without separating. Test three fittings of each type.

8.9.2 Strength—Assemble each fitting to the appropriate tubing in accordance with the manufacturer's recommendations. Use tubing samples at least 6 in. (150 mm) in length. Load the connected tubing and fitting between parallel plates at the rate of 0.5 in. (12.7 mm)/minute until the vertical inside diameter is reduced by at least 20 percent of the nominal diameter of the fitting. Inspect for damage while at the specified deflection, and after load removal, and report the results of this inspection.

8.9.3 *Alignment*—Assure that the assembly or joint is correct and complete; if the tubing is bent, it should be hand-straightened prior to performing this test. Lay the assembly or joint on a flat surface and verify that it will accommodate straight-line flow.

9. INSPECTION AND RETEST

9.1 *Inspection*—Inspection of the material shall be made as agreed upon by the purchaser and the seller as part of the purchase contract.

9.2 *Retest and Rejection*—If any failure to conform to these specifications occurs, the tubing or fittings may be retested to establish conformity in accordance with agreement between the purchaser and seller. Individual results, not averages, constitute failure.

10. MARKING

10.1 All tubing shall be clearly marked at intervals of not more than 10 feet (3 m), and fittings shall be clearly marked, as follows:

- 10.1.1 Manufacturer's name or trademark.
- 10.1.2 Nominal size.
- 10.1.3 The specification designation "M252".
- 10.1.4 The plant designation code.
- 10.1.5 The date of manufacture or an appropriate code.

11. QUALITY ASSURANCE

11.1 A manufacturer's certification that the product was manufactured, tested and supplied in accordance with this specification, together with a report of the test results, and the date each test was completed, shall be signed by a person authorized by the manufacturer.

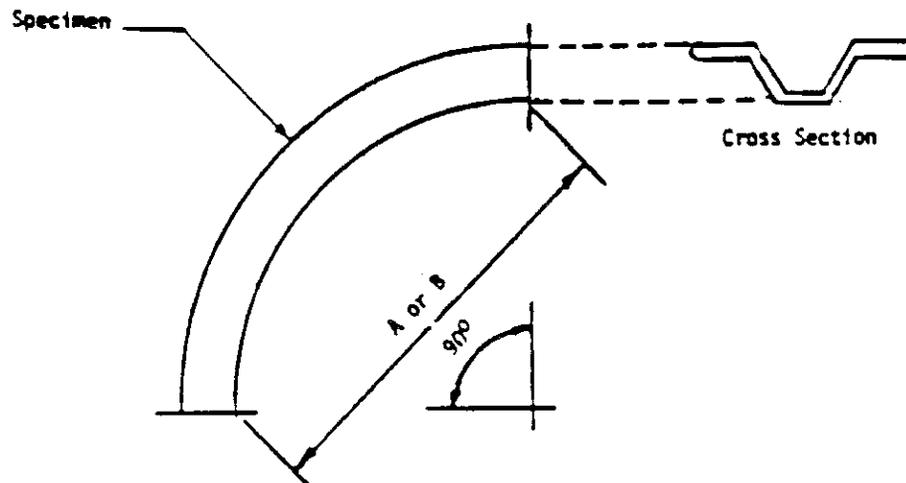


Figure 1. Specimen Configuration for Environmental Stress Cracking (Section 8.4)

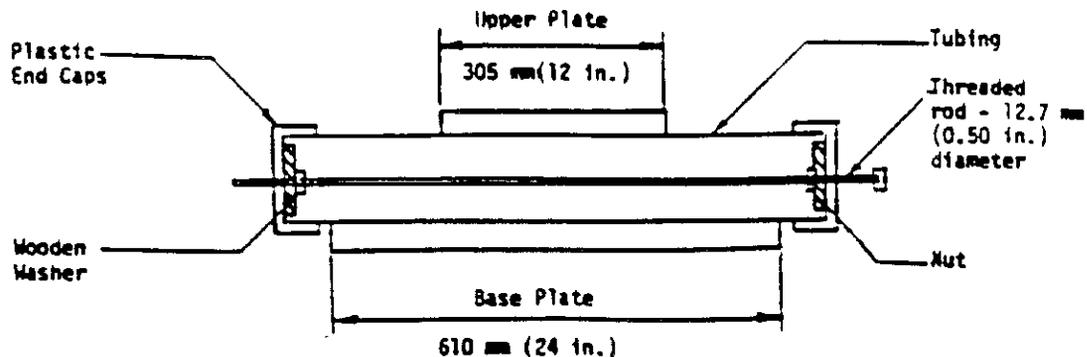


Figure 2. Test Arrangement for Pipe Stiffness While Elongated (Section 8.3)

APPENDIX C
CEQA DOCUMENTS

GARDENA VALLEY 1 & 2 LANDFILL

NEGATIVE DECLARATION

PART I: PROJECT DESCRIPTION

The project site is commonly known as the former Gardena Valley 1 & 2 Landfill. The landfill is a 14.46-acre site and was authorized to operate as a Class II waste disposal facility under an Industrial Waste Discharge Permit issued by the Los Angeles County Department of Public Works. The site reportedly operated between November 1956, and October 1959, accepting approximately 940,000 cubic yards of waste.

Since 1983, several investigations have been performed at the site to determine whether it should be considered a hazardous waste property, as defined in the Health and Safety Code. In 1985, London Pacific Investments (LPI) purchased the property. In 1989 LPI entered into a Consent Agreement with the California Department of Health Services (DHS), currently the California Department of Toxic Substances Control (DTSC). The objectives of the Consent Agreement are twofold: 1) to ensure that appropriate remedial actions are taken to mitigate the threat of contaminant release from the site, and 2) to ensure that any future land development is achieved in a manner protective of public health, safety, and the environment. In 1989 LPI hired **Bryan A. Stirrat & Associates, Inc. (BAS)** to perform the engineering work required under the consent agreement.

In accordance with the Consent Agreement, a Remedial Investigation/Feasibility Study (RI/FS) Workplan was prepared by **Bryan A. Stirrat & Associates, Inc.**, and subsequently approved by DHS. The RI/FS has been completed, resulting in the conclusion that a wastefill cover should be constructed to eliminate surface water infiltration (and potential leachate generation) at the site. In addition, it was concluded that a gas collection and flaring system should be constructed to eliminate off-site migration of landfill gases.

LPI is proposing to construct a landfill cover and landfill gas collection, removal, and treatment system in accordance with the DHS Consent Agreement and the RI/FS findings. It should be noted that ultimately, LPI would like to utilize the site for commercial purposes, potentially including construction of a retail facility with an asphalt concrete parking area. The site closure design has been developed with this future use in mind. Any required permits for such projects will be sought at a later date, and are not included in this project currently under consideration.

Landfill Cover. In determining the proposed cover design, several alternatives were evaluated against technical and feasibility oriented criteria. The cover design selected was shown, through the evaluations in the Feasibility Study, to be the most efficient method of reducing infiltration into the landfill, while at the same time being cost effective and compatible with the proposed site end-use. This cap design is described as follows:

- o The site will first be graded to provide a minimum 36-inch foundation layer, and for optimal drainage and minimal topographic disturbance.
- o The site regrading will be followed by the placement of an intermittent composite geotextile material, which will provide a high-permeability, horizontal conduit for conveying gas flow to the site's perimeter collection system.
- o Atop the geo-textile material, an 18-inch layer of compacted clay with a maximum permeability of 10^{-6} cm/sec. will be placed. This layer will cover the entire site to prevent infiltration of surface water into the landfill.
- o A filter fabric will be placed atop the clay layer to prevent infiltration of material from the protective layer above it.
- o The next layer in the cover will be a 24-inch protective layer which will protect the low permeability clay layer from wear, erosion, and drying.
- o The final two cover layers will be a 15-inch crushed miscellaneous base (CMB) layer and a 4-inch asphalt layer. The asphalt will provide a redundant low permeability layer and also act as the parking/driving surface for the site development.

Landfill Gas System. In addition to the proposed cover, a landfill gas collection and treatment system is included as part of the project. As the refuse decomposes anaerobically within the wastefill, gases (largely comprised of methane and carbon dioxide) are released. These gases can accumulate in explosive quantities if not controlled. The project is, therefore, designed to include a gas collection and control system.

The landfill gas collection and control system will include the following features:

- o The gas collection system will be comprised of two components. The first is a horizontal collection system which consists of a geotextile gas venting material incorporated into the landfill cover matrix. The gas intercepted by this system will be conveyed to the main gas collection piping network leading to the treatment facility.
- o The second component consists of a series of vertical gas collection wells installed along the perimeter of the site. Landfill gas recovered by this network will also be conveyed to the treatment facility.
- o The LFG treatment system will consist of a flare station, designed specifically for the combustion and destruction of the collected landfill gas and its components. The flare will operate within a temperature range of 1300 to 1900 degrees Fahrenheit, achieving a destruction efficiency of no less than 98.5%.

The projected schedule for the cover construction activities is approximately four (4) months. The anticipated construction start date has not been set, but is anticipated to be in mid to late 1992.

PART II: PROJECT LOCATION AND PROJECT PROPONENT

The Gardena Valley 1 & 2 Landfill currently has no address. It is located immediately east of Figueroa Street, and just north of the El Camino Plaza, on the north side of Torrance Boulevard in the City of Carson, California (see Figures 1 and 2). The site is identified by Assessor's Parcel No. 7336-3-30, being Parcel 4 of Map 5616, Book 62, Page 68 in the County of Los Angeles. The former waste disposal facility is located immediately adjacent to several other inactive landfills. London Pacific Investments, Inc. (LPI) is the project proponent for the capping of the landfill and the construction of the landfill gas collection, removal, and treatment system. LPI's mailing address is: London Pacific Investments, Inc., 1010 Crenshaw Blvd., Suite 100, Torrance, California 90501.

PART III: FINDINGS

An initial study, which consists of an Environmental Check List Form and an Environmental Information Form, was prepared for the project. The Environmental Check List Form identifies the potential adverse environmental impacts posed by the project, and has been completed by the lead agency responsible for the oversight of the

project (DTSC). The Environmental Information Form provides site and project specific information, and has been completed by the project proponent or applicant (LPI). Both forms have been included as attachments to this Negative Declaration. Results of the Initial Study indicated the following findings with respect to the environmental impacts posed by this project:

No Impacts. The project, as described will cause **no direct impacts** or impairment to the environment in the following issue areas:

- o **Noise** - No increase in existing noise levels or exposure of persons to severe noise will occur.
- o **Light and Glare** - No source of light or glare will be produced.
- o **Land Use** - Closure of the site is consistent with the current commercial and industrial zoning.
- o **Natural Resources** - No increase in the rate of use of any natural resources will result from the project.
- o **Risk of Upset** - Closure of the site will not present a potential for the release of hazardous substances or explosions, nor will it interfere with emergency response plans.
- o **Population** - The project will have no effect on population.
- o **Housing** - The project will have no effect on housing conditions.
- o **Transportation/Circulation** - Since the project addresses only site closure, traffic and/or vehicle circulation impacts will not be caused.
- o **Public Services** - Closure of the site will not increase the demand on any public services.
- o **Energy** - The project will not require a substantial increase in fuel or energy resources.
- o **Human Health** - This project will not cause adverse human health impacts. It is being initiated to protect human health and the environment.

- o **Aesthetics** - Though the aesthetics of the site will change, the project will not result in obstruction of any scenic view, or create an aesthetically offensive site open to public view.
- o **Recreation** - No recreational impacts will result.
- o **Cultural Resources** - The site is currently void of all structures and is comprised of landfill refuse. The site has no significant cultural value.

Potential Impacts. Potential environmental impacts in each of the following issue areas might occur without implementation of the proposed mitigation measures:

- o **Air (During Construction)** - During construction of the cover and the gas collection system, landfill gases and/or dust may be released to the atmosphere. This potential impact will be of short duration. Dust mitigation measures, including spray moistening of the exposed soil surfaces will be implemented during construction.
- o **Water** - The character of surface water runoff from the site will likely be altered by the project. Currently, runoff is expected to contain soil sediment, and possibly hazardous constituents released from the unprotected facility. The proposed project and subsequent development would serve to mitigate the potential for soil erosion and contaminant migration by securing the soil and waste in place.
- o **Animal Life** - The proposed project may result in a change in the diversity or number of species present at the site. The site is currently populated by native grasses and other indigenous weed species. Based upon research of the site and the immediate surroundings, no rare, endangered, or otherwise threatened species are believed to inhabit the area, and are not thought present. The site may support wildlife common to undeveloped land in the area, in which case, potential habitat impact would result.

Unavoidable Impacts. The following environmental impacts associated with implementation of this project are considered unavoidable. However, they are proposed as a means for minimizing the overall environmental health and safety impacts of the site.

Gardena Valley 1 & 2 Landfill
NEGATIVE DECLARATION

Page 6 of 7

- o **Air** - The project will result in the release of emissions from the landfill gas flare station. However, these emissions will be in compliance with all applicable SCAQMD Rules. In addition, the purpose of the gas collection system and flare is to eliminate the greater threat to the health and safety of the surrounding community, posed by the underground off-site migration of potentially explosive landfill gases.
- o **Earth** - The project is being proposed as a site remedial action alternative, developed to be protective of human health and the environment. The project will result in the displacement, compaction, and overcovering or capping of the soil at this site during construction of the multi-layered clay cover.
- o **Earth** - In addition, the site will be regraded prior to cover construction, in order that proper drainage can be achieved. The minor topographic changes planned for the facility are not considered to be significant.
- o **Water** - The rate of surface water absorption, and therefore, the rate and amount of runoff are expected to be altered by the proposed project. The intent of the project is to add protection to nearby groundwater resources, human health, and the environment, by minimizing the infiltration of water into the wastefill. Moisture within the waste matrix is a potential cause of landfill gas and leachate generation. Though an environmental impact will result, it will be an overall positive one.
- o **Plant Life** - The proposed project will result in the elimination of indigenous weeds and grasses common to undeveloped land in Southern California. Based upon research in the area, no known endangered, rare, or otherwise threatened botanical species are believed to exist onsite.
- o **Utilities** - Operation of the landfill gas flare system is anticipated to require approximately 10,000 annual kilowatts of electricity, which is not presently supplied to the site. Electricity is, however, supplied to establishments in the vicinity of the landfill. Establishing service to the site for the purpose of maintaining the flare system is not considered to cause a significant environmental impact, but rather, facilitate avoidance of impacts.

Based on the preceding analysis, it is concluded that significant impacts result from implementation of this project. However, the impacts will be mitigated.

PART IV: MITIGATION MEASURES

Of the environmental impacts listed in Part III only the potential impact to air during construction will require mitigation measures. The following measures will be taken to mitigate these impacts:

- o Lightly wetting the construction area with water to reduce dust emissions.
- o Trenching in the landfill only in short segments to reduce emissions and odors.
- o Discharging drill cuttings directly into an enclosed roll-off box.

PART V: CONCLUSIONS

The Department has proposed that a mitigated negative declaration be adopted for this project because the mitigation measures outlined above have been added to the project.

Date

Marcia Liao, Project Officer

Date

Julia Bussey, Program Supervisor

Date

John Scandura, Site Mitigation
Branch Chief

Date

John Hinton, Regional Administrator

ATTACHMENT A
ENVIRONMENTAL CHECKLIST FORM

**ENVIRONMENTAL CHECKLIST FORM
GARDENA VALLEY 1 & 2 LANDFILL**

I. BACKGROUND

- | | | |
|----|------------------------------------|---|
| 1. | Name of Proponent: | London Pacific Investments, Inc. |
| 2. | Address/Phone Number of Proponent: | Mr. Jules Walder, President London Pacific Investments, Inc. 1010 Crenshaw Blvd., Suite 100 Torrance, California 90501 |
| 3. | Date Checklist Submitted: | March 29, 1992 |
| 4. | Agency Requiring Checklist: | California Department of Toxic Substances Control |
| 5. | Name of Proposal, if applicable: | Gardena Valley 1 & 2 Landfill Remedial Action Plan |

II. ENVIRONMENTAL IMPACTS

Explanations for all "yes" and "maybe" answers are included.

- | | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|--|-------------|--------------|-------------|
| 1. EARTH. Will the proposal result in: | | | |
| a. Unstable earth conditions or in changes in geologic substructures? | _____ | _____ | _____X_____ |
| b. Disruptions, displacements, compaction or overcovering of the soil? <i>The proposed remedial action for the former waste disposal site includes construction of a multi-layer cap atop the soil covered waste in order to: 1) impede water infiltration into the refuse, and 2) aid in control and collection of any gas generated by the landfill.</i> | _____X_____ | _____ | _____ |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|--|------------|--------------|--------------|
| c. Change in topography or ground surface relief features? <i>Prior to construction of the cap, the site will require some regarding to enhance site drainage. The proposed grading and capping activities will require the import of soil and construction materials having properties and characteristics as specified, resulting in a site engineered for proper drainage.</i> | _____ | _____ | <u> X </u> |
| d. The destruction, covering, or modification of any unique geologic or physical features? | _____ | _____ | <u> X </u> |
| e. Any increase in wind or water erosion of soils, either on or off the site? | _____ | _____ | <u> X </u> |
| f. Changes in deposition or erosion of beach sands, or changes in siltation, deposition, or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake? | _____ | _____ | <u> X </u> |
| g. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards? | _____ | _____ | <u> X </u> |

- | | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|--|------------|--------------|-----------|
| 2. AIR. Will the proposal result in: | | | |
| a. Substantial air emissions or deterioration of ambient air quality? <i>During construction of the cover and the gas collection system, landfill gases and/or dust may be released to the atmosphere. To reduce these emissions the construction area will be wetted lightly for dust control, trenching will be conducted in short segments to reduce the amount of exposed trash. Drilling operations through the landfill will discharge directly into an enclosed roll-off box. The landfill gas flare will operate in accordance with all applicable SCAQMD emission standards.</i> | ___ | <u>X</u> | ___ |
| b. The creation of objectionable odors? <i>The mitigative measures to control emissions will also serve to control objectionable odors which may result from the construction of the cover and gas collection systems and/or the operation of the landfill gas flare.</i> | ___ | <u>X</u> | ___ |
| c. Alteration of air movement, moisture, or temperature, or any change in climate, either locally or regionally? | ___ | <u>X</u> | ___ |
| 3. WATER. Will the proposal result in: | | | |
| a. Changes in currents, or the course of direction of water movements, in either marine or fresh waters? | ___ | ___ | <u>X</u> |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|---|------------|--------------|-----------|
| b. Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff? <i>In order to protect groundwater resources beneath the site, the cover will be constructed to facilitate surface drainage and minimize water infiltration to the refuse. This remedial design will eliminate the primary source of potential leachate, which might otherwise adversely impact underlying groundwater.</i> | <u>X</u> | _____ | _____ |
| c. Alterations to the course or flow of flood waters? | _____ | _____ | <u>X</u> |
| d. Change in the amount of surface water in any water body? | _____ | _____ | <u>X</u> |
| e. Discharge into surface waters, or any alteration of surface water quality, including but not limited to temperature, dissolved oxygen, or turbidity? <i>The character of surface water runoff will be altered by the proposed project. The runoff is expected to contain substantially fewer soil particles and waste-related organic constituents.</i> | _____ | <u>X</u> | _____ |
| f. Alteration of the direction or rate of flow of groundwaters? | _____ | _____ | <u>X</u> |
| g. Change in the quantity of groundwaters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations? | _____ | _____ | <u>X</u> |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|---|-------------|--------------|-------------|
| h. Substantial reduction in the amount of water otherwise available for public water supplies? | _____ | _____ | _____X_____ |
| i. Exposure of people or property to water-related hazards such as flooding or tidal waves? | _____ | _____ | _____X_____ |
| 4. PLANT LIFE. Will the proposal result in: | | | |
| a. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)? <i>The site may currently support populations of indigenous weed species, grasses, and small mammals common to undeveloped land in Southern California. There are no known endangered, threatened, or rare species or habitats occurring at or in the vicinity of the site.</i> | _____X_____ | _____ | _____ |
| b. Reduction of the numbers of any unique, rare, or endangered species of plants? | _____ | _____ | _____X_____ |
| c. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species? | _____ | _____ | _____X_____ |
| d. Reduction in acreage of any agricultural crop? | _____ | _____ | _____X_____ |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|--|------------|----------------------|----------------------|
| 5. ANIMAL LIFE. Will the proposal result in: | | | |
| a. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish, and shell-fish, benthic organisms or insects)? <i>The site is currently populated by grasses and other indigenous weed species. It may, therefore, support some wildlife common to undeveloped land in the area, such as valley pocket gophers, cottontails, gopher snakes, ground squirrels, skunks, and opossums. These animal and plant species are common to Southern California, and since none are endangered, threatened, or have any other regulatory status, they are not considered sensitive species.</i> | _____ | _____ <u>X</u> _____ | _____ |
| b. Reduction of the numbers of any unique, rare, or endangered species of animals? | _____ | _____ | _____ <u>X</u> _____ |
| c. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals? | _____ | _____ | _____ <u>X</u> _____ |
| d. Deterioration to existing fish or wildlife habitat? | _____ | _____ | _____ <u>X</u> _____ |
| 6. NOISE. Will the proposal result in: | | | |
| a. Increases in existing noise levels? | _____ | _____ | _____ <u>X</u> _____ |
| b. Exposure of people to severe noise levels? | _____ | _____ | _____ <u>X</u> _____ |
| 7. LIGHT AND GLARE. Will the proposal produce new light or glare? | _____ | _____ | _____ <u>X</u> _____ |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|---|------------|--------------|-------------|
| 8. LAND USE. Will the proposal result in a substantial alteration of the present or planned land use of an area? | _____ | _____ | _____X_____ |
| 9. NATURAL RESOURCES. Will the proposal result in: | | | |
| a. Increase in the rate of use of any natural resources? | _____ | _____ | _____X_____ |
| 10. RISK OF UPSET. Will the proposal involve: | | | |
| a. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals or radiation) in the event of an accident or upset conditions? <i>Drilling into the landfill during the construction phase of this project may result in a build-up of landfill gas to explosive levels within the boreholes. To mitigate this potential, all boreholes will be ventilated during drilling to prevent the build-up of gas.</i> | _____ | _____X_____ | _____ |
| b. Possible interference with an emergency response plan or an emergency evacuation plan? | _____ | _____ | _____X_____ |
| 11. POPULATION. Will the proposal alter the location, distribution, density, or growth rate of the human population of an area? | _____ | _____ | _____X_____ |
| 12. HOUSING. Will the proposal affect existing housing, or create a demand for additional housing? | _____ | _____ | _____X_____ |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|--|------------|--------------|-----------|
| 13. TRANSPORTATION/CIRCULATION. Will the proposal result in: | | | |
| a. Generation of substantial additional vehicular movement? | ___ | ___ | <u>X</u> |
| b. Effects on existing parking facilities, or demand for new parking? | ___ | ___ | <u>X</u> |
| c. Substantial impact upon existing transportation systems? | ___ | ___ | <u>X</u> |
| d. Alterations to present patterns of circulation or movement of people and/or goods? | ___ | ___ | <u>X</u> |
| e. Alterations to waterborne, rail, or air traffic? | ___ | ___ | <u>X</u> |
| f. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians? | ___ | ___ | <u>X</u> |
| 14. PUBLIC SERVICES. Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas: | | | |
| a. Fire protection? | ___ | ___ | <u>X</u> |
| b. Police protection? | ___ | ___ | <u>X</u> |
| c. Schools? | ___ | ___ | <u>X</u> |
| d. Parks or other recreational facilities | ___ | ___ | <u>X</u> |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|---|------------|--------------|--------------|
| e. Maintenance of public facilities, including roads? | _____ | _____ | <u> X </u> |
| f. Other governmental services? | _____ | _____ | <u> X </u> |
| 15. ENERGY. Will the proposal result in: | | | |
| a. Use of substantial amounts of fuel or energy? | _____ | _____ | <u> X </u> |
| b. Substantial increase in demand upon existing sources of energy, or require the development of new sources of energy? | _____ | _____ | <u> X </u> |
| 16. UTILITIES. Will the proposal result in a need for new systems, or substantial alterations to the following utilities: | | | |
| a. Electrical power supply? <i>The landfill gas flaring system will require electrical power in order to be operational. Electrical service does not currently exist at the site, but is provided to the immediately adjacent lots. Start-up of the electrical utilities to support the flaring system is not considered a significant impact.</i> | _____ | <u> X </u> | _____ |
| b. Water supply? | _____ | _____ | <u> X </u> |
| c. Sewer facilities? | _____ | _____ | <u> X </u> |
| d. Telephone services? | _____ | _____ | <u> X </u> |

| | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|---|------------|--------------|--------------|
| 17. HUMAN HEALTH. Will the proposal result in: | | | |
| a. Creation of any health hazard or potential health hazard (excluding mental health)? | ___ | ___ | <u> X </u> |
| b. Exposure of people to potential health hazards? | ___ | ___ | <u> X </u> |
| 18. AESTHETICS. Will the proposal result in the obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to public view? | ___ | ___ | <u> X </u> |
| 19. RECREATION. Will the proposal result in an impact upon the quality or quantity of existing recreational opportunities? | ___ | ___ | <u> X </u> |
| 20. CULTURAL RESOURCES. | | | |
| a. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archaeological site? | ___ | ___ | <u> X </u> |
| b. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object? | ___ | ___ | <u> X </u> |
| c. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values? | ___ | ___ | <u> X </u> |

- | | <u>YES</u> | <u>MAYBE</u> | <u>NO</u> |
|--|------------|--------------|--------------|
| d. Will the proposal restrict existing religious or sacred uses within the potential impact area? | _____ | _____ | <u> X </u> |
| 21. MANDATORY FINDINGS OF SIGNIFICANCE. | | | |
| a. Does the project have the potential to 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, 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? | _____ | _____ | <u> X </u> |
| b. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? (A short-term impact on the environment is one which occurs in a relatively brief, definitive period of time while long-term impacts will endure well into the future). | _____ | _____ | <u> X </u> |
| c. Does the project have impacts which are individually limited, but cumulatively considerable? (A project may impact on two or more separate resources where the impact on each resource where the | | | |

impact on each resource is relatively small, but where the effect of the total of those impacts on the environment is significant).

_____ X

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

_____ X

III. DISCUSSION OF ENVIRONMENTAL EVALUATION

The proposed project has been designed and developed to mitigate potential endangerment to human health and the environment. However, particularly during construction activities, some short-term adverse impacts may result. The impacts associated with the project are not considered significant, and are necessary for completion of site closure activities.

Environmental impacts associated with implementation of the project are described as follows:

- o The construction of the cover will result in the disruption, compaction and overcovering of site soils, and a change in topography at the site. In this instance these impacts are not considered adverse because the net environmental impact of these changes (ie. a reduction in the volume of rain water infiltrating into the landfill, and the reduced risk of groundwater contamination) will be positive.
- o During construction of the cover and gas collection system, landfill gas, dust, and/or objectionable odors may be released to the atmosphere. In addition, the landfill gas flare will be a potential new emission source at the site.
- o The constructed cover will result in changes in absorption rates, drainage patterns, and the rate and amount of surface runoff from the site.
- o Construction of the cover will result in the elimination of all existing plant and animal life at the site.

- o Borings drilled into the landfill during construction of the of the gas collection system may result in an increased risk of explosion at the site during construction.
- o The landfill gas flare will result in a need for an electrical power supply at the site. This is not considered a significant impact because the amount of power required to operate the flare will not place an extraordinary drain on the electrical utility company supplying the area.

Mitigation measures which will be taken to lessen the impacts are as follows:

- o To reduce the impacts of the potential release of landfill gas, dust and/or objectionable odors, the construction area will be wetted lightly for dust control, trenching will be conducted in short segments to reduce the amount of exposed trash, and drilling operations will discharge into an environmentally engineered containment system to control emissions. In addition, the landfill gas flare will operate in accordance with all applicable SCAQMD emissions standards.
- o The potential increase in surface water runoff from the site will be mitigated through construction of inlet boxes along Main Street and Figueroa Streets which will tie into the storm drains running beneath those streets. The site will be graded such that all rainwater falling on the site will flow into these inlet boxes and not impact adjacent properties.
- o No mitigation measures will be implemented to preserve the existing plant and animal life at the site because there are no known endangered, threatened, or rare species or habitats occurring in the vicinity of the site.
- o The risk of explosion will be mitigated through the use of drilling methods which will allow adequate ventilation down the borings to prevent the buildup of landfill gas to explosive levels.

IV. DETERMINATION

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 the mitigation measures described in the attached document have been added to the project. A NEGATIVE DECLARATION will be prepared. X

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

Date

Signature

For

ATTACHMENT B

ENVIRONMENTAL INFORMATION FORM

**ENVIRONMENTAL INFORMATION FORM
GARDENA VALLEY 1 & 2 LANDFILL**

Date Filed: August 28, 1991

GENERAL INFORMATION

1. Name and address of developer or project sponsor:

London Pacific Investments, Inc.
1010 Crenshaw Boulevard, Suite 100
Torrance, California 90501

2. Address of Project:

The site currently has no address. It is located just north of the El Camino Plaza (north of Torrance Boulevard) immediately to the east of Figueroa Street, in the City of Carson.

Assessor's Block and Lot Number:

7336-3-30, Parcel 4 of Map 5616, Book 62, Page 68, Los Angeles County

3. Name, address, and telephone number of person to be contacted concerning this project:

Bryan A. Stirrat, President
Bryan A. Stirrat & Associates, Inc.
1360 Valley Vista Drive
Diamond Bar, California 91765
(714) 860-7777

4. Indicate the permit application number for the project to which this form pertains:

Not applicable.

ENVIRONMENTAL INFORMATION FORM
GARDENA VALLEY 1 & 2 LANDFILL

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5. **List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state, and Federal agencies:**

Permit to Construct from the South Coast Air Quality Management District.

Approval of the Remedial Design from the California Department of Toxic Substances Control (DTSC).

6. **Existing Zoning District:**

ML-ORL Light Manufacturing Organic Refuse Landfill.

7. **Proposed use of site (project for which this form is filed):**

This project addresses closure of a waste disposal site. Future development, under separate permitting, is proposed to include a parking lot and a 112,000 square foot commercial building.

PROJECT DESCRIPTION

8. **Site size:**

14.5 acres

9. **Square footage:**

Not applicable. (See Note 1.)

10. **Number of floors of construction:**

Not applicable. (See Note 1.)

Note 1: Future, incremental site development is anticipated in association with this project. Future plans include a two-story, 193,000 square foot commercial building surrounded by a landscaped, paved parking lot atop the site. This project, however, only addresses closure of the waste disposal facility.

11. Amount of off-street parking provided:

Not applicable. (See Note 1.)

12. Attach plans:

Project plans will be included pending DTSC approval. These include plans for the landfill cover, gas collection system, and landfill gas flare.

13. Proposed scheduling:

A project schedule will be developed pending approval of the project plans by DTSC.

14. Associated project:

See Note 1.

15. Anticipated incremental development:

Not applicable. (See Note 1)

16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected:

Not applicable.

17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities:

Not applicable. (See Note 1.)

18. If industrial, indicate type, estimated employment per shift, and loading facilities:

Not applicable (See Note 1.)

ENVIRONMENTAL INFORMATION FORM
 GARDENA VALLEY 1 & 2 LANDFILL

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19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project:

Not applicable.

20. If the project involves a variance, conditional use or re-zoning application, state this and indicate clearly why the application is required:

Not applicable. Future development of the site may, however, require a land use permit application.

Are the following items applicable to the project or its effects? Discussions are included below all items checked "Yes".

| | <u>YES</u> | <u>NO</u> |
|--|------------|-----------|
| 21. Change in existing features of any bays, tidelands, beaches, or hills, or substantial alteration of ground contours: | <u>X</u> | _____ |
| <i>Minor alterations of existing surface contours will be initiated, in order to facilitate site drainage and alleviate water ponding.</i> | | |
| 22. Change in scenic views or vistas from existing residential areas or public lands or roads: | _____ | <u>X</u> |
| 23. Change in pattern, scale or character of general project area: | <u>X</u> | _____ |
| <i>Presently the site is an inactive disposal facility which has not been properly closed. This project, if approved, will facilitate "closure" of the site.</i> | | |
| 24. Significant amounts of solid waste or litter: | _____ | <u>X</u> |

ENVIRONMENTAL INFORMATION FORM
 GARDENA VALLEY 1 & 2 LANDFILL

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| | <u>YES</u> | <u>NO</u> |
|--|---------------|---------------|
| <p>25. Change in dust, ash, smoke, fumes or odors in vicinity:</p> <p><i>During construction and grading activities, additional dust may be generated at the site. Water trucks will be employed to moisten exposed surfaces and minimize any dust. A landfill gas collection and treatment/destruction system are proposed as part of the project. Potential odors caused by the existing facility will be mitigated by this landfill gas collection and treatment system.</i></p> | <u>X</u> | <u> </u> |
| <p>26. Change in ocean, bay, lake, stream or groundwater, quality or quantity, or alteration of existing drainage patterns:</p> <p><i>This project is being proposed as a means of mitigating potential detriment to the water and air quality of the area. The proposed cover design will serve to deter the downward migration of liquids through the wastefill, alleviating a significant source of potential leachate and groundwater contamination.</i></p> | <u>X</u> | <u> </u> |
| <p>27. Substantial change in existing noise or vibration levels in the vicinity:</p> | <u> </u> | <u>X</u> |
| <p>28. Site on filled land or on slope of 10 percent or more:</p> <p><i>The project site is a waste landfill.</i></p> | <u>X</u> | <u> </u> |
| <p>29. Use of disposal of potentially hazardous materials, such as toxic substances, flammables, or explosives:</p> | <u> </u> | <u>X</u> |
| <p>30. Substantial change in demand for municipal services (police, fire, water, sewage, etc.):</p> | <u> </u> | <u>X</u> |

ENVIRONMENTAL INFORMATION FORM
GARDENA VALLEY 1 & 2 LANDFILL

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- | | <u>YES</u> | <u>NO</u> |
|---|------------|-----------|
| 31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.): | _____ | <u>X</u> |
| 32. Relationship to a larger project or series of projects: | <u>X</u> | _____ |

At a later date, the property owners may seek to develop this site for various commercial uses. However, the currently proposed project addresses only the landfill closure activities. Permits and approvals for future commercial development of this site will be sought separately.

ENVIRONMENTAL SETTING

33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

The following resources have been used to characterize the ecological characteristics of the Gardena Valley 1 & 2 Landfill and the area immediately surrounding the site:

- 1) Personal communications with local agency officials having knowledge of the site area,
- 2) Agency records search and review, and
- 3) Review of published materials regarding the ecological characteristics of the area.

Based on information obtained from these sources, the following descriptions of the ecological characteristics of the site and the general area are presented.

ENVIRONMENTAL INFORMATION FORM
GARDENA VALLEY 1 & 2 LANDFILL

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The site is currently undeveloped, and is populated by grasses and other indigenous weed species. It may, therefore, support some wildlife common to undeveloped land in the area, such as valley pocket gophers, cottontails, gopher snakes, ground squirrels, skunks, and opossums. These animal and plant species are common to Southern California, and since none are endangered, threatened, or have any other regulatory status, they are not considered sensitive species. A chain-link fence which surrounds the site is likely to keep out large terrestrial animals, such as red foxes and coyotes, which may inhabit the area.

Certain highly mobile species, such as birds, may visit the site for foraging purposes. These could include several raptors (birds-of-prey) found in the area, such as the red-tailed hawk, kestrel, red-shouldered hawk, and Cooper's hawk. Raptors are considered sensitive species, and several, including the Cooper's hawk, are State of California Species of Special Concern, indicating that although they are not protected by either federal or state legislation, their limited occurrence in the state is of some concern to the California Department of Fish and Game.

The site is currently void of all structures.

- 34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be acceptable.**

The Gardena Valley 1 & 2 Landfill is situated in the City of Carson near the City of Torrance. The Carson 1982 General Plan, prepared by the City Planning Division, describes the natural environment of the City as follows:

- o Carson has no rivers, bays, estuaries, coastal beaches, lakeshores or watersheds.
- o Carson has no forests, rangelands, lakes, or water areas for commercial fisheries.
- o Carson has no areas of outstanding scenic or cultural value, no areas serving as links between major recreation and open space reservations and no scenic highway corridors.

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GARDENA VALLEY 1 & 2 LANDFILL

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Based on this description of Carson, it is unlikely that any sensitive species or habitats exist near the Gardena Valley 1 & 2 Landfill. In addition, information obtained from the City of Carson Community Development Department suggests that the site area does not support any wildlife habitats, since it has been significantly developed, and disturbed by human activities.

A golf course, built atop an adjacent landfill, is located close to the site and may provide suitable habitat for grassland species such as cottontails, gophers, and raccoons. These species are common to Southern California and are not considered by the State of California as being endangered, threatened, or rare.

Aerial photographs further indicate the extent of urbanization around and adjacent to the site. Aside from vacant lots atop other inactive landfills, it is evident from the attached photograph that there is no undeveloped (or undisturbed) land in the vicinity of the site. In addition, an ecological inventory of the Pacific Coast indicates that there are no known habitats of species protected by either federal or state legislation located within one mile of the Gardena Valley 1 & 2 Landfill.

The Dominguez Channel, located northwest of the site, is a man-made watercourse designed to alleviate flooding in the area. A section of the channel near the site contains water year-round, however, since it is built of concrete, it is not thought to support a significant freshwater ecosystem.

Photos of the site and vicinity are included on the following pages, along with a photo locator map indicating the origination point and direction of each view. Also attached is an aerial photo of the site and surrounding area.

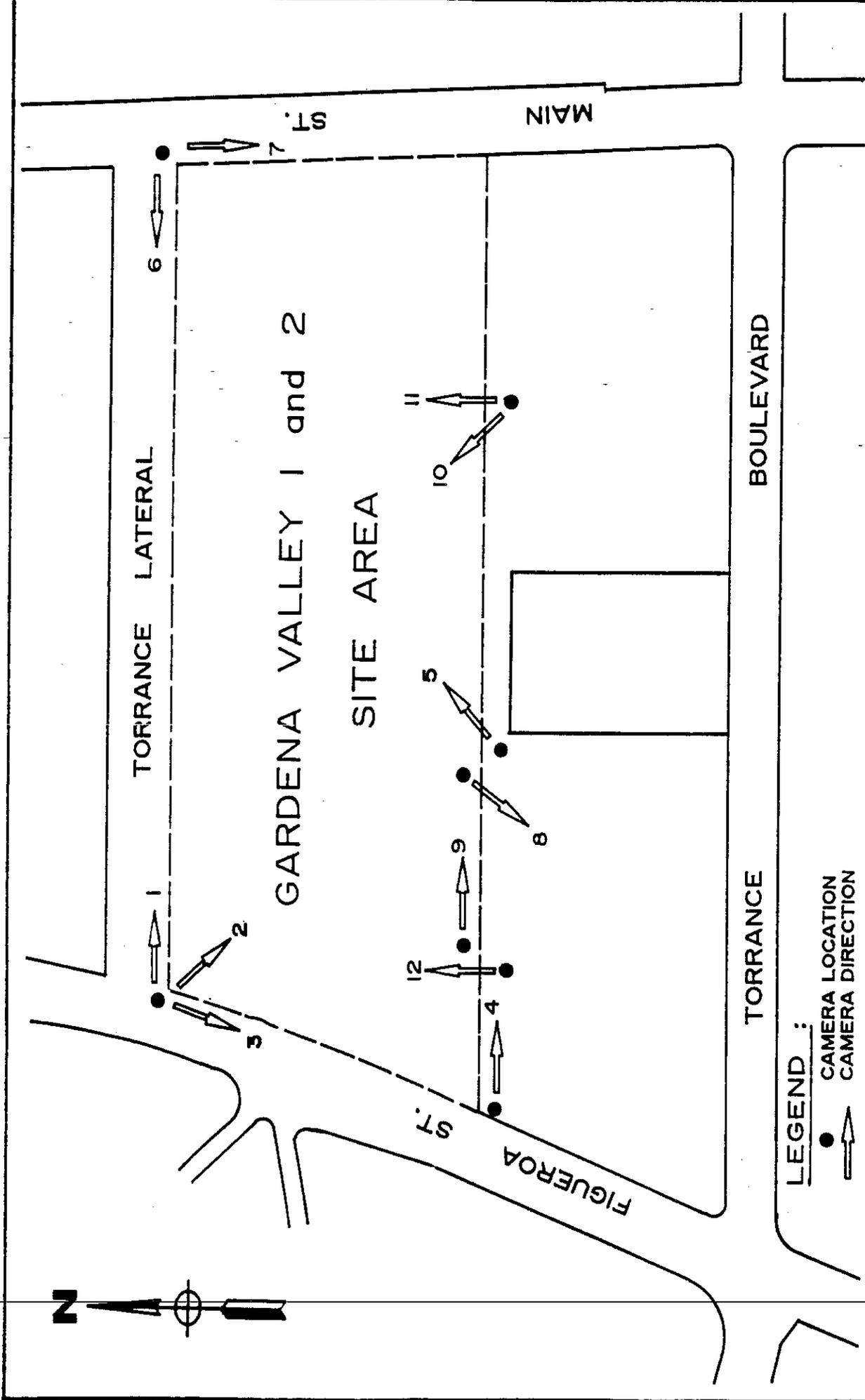
CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date

Signature

For _____



LEGEND :
 ● CAMERA LOCATION
 ↗ CAMERA DIRECTION

JOB NO. 90102-8200
 DATE MAY, 1991
 DRAWN BY: P.T.N.
 CHECKED BY: C.K.

FIGURE 1
 PHOTO LOCATION AND DIRECTION PLAN

[714] 860-7777

BAS
BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

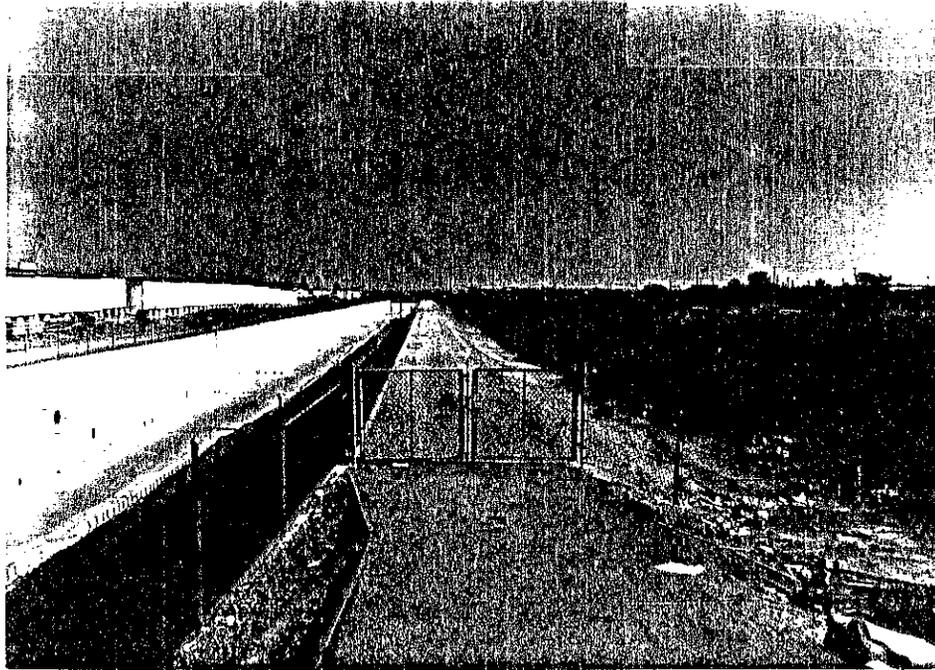


PHOTO #1
NORTHWEST CORNER OF SITE, LOOKING EAST ALONG
THE TORRANCE LATERAL FLOOD CONTROL CHANNEL

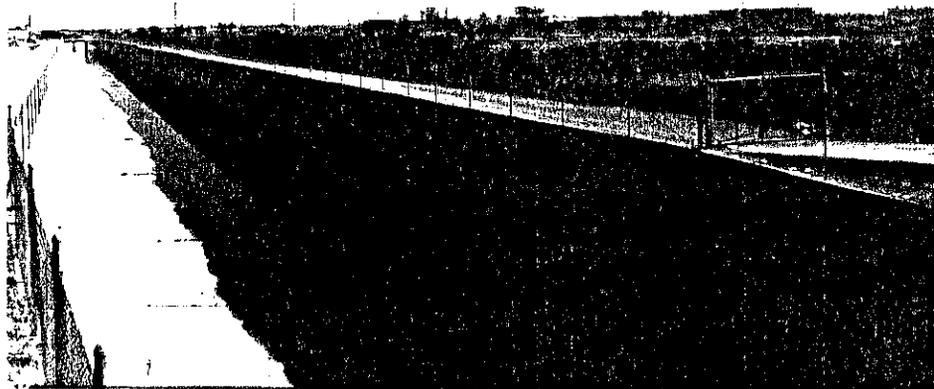


PHOTO #2
NORTH OF THE NORTHWEST CORNER OF SITE, LOOKING SOUTHEAST
ACROSS THE TORRANCE LATERAL AND ONTO THE SITE

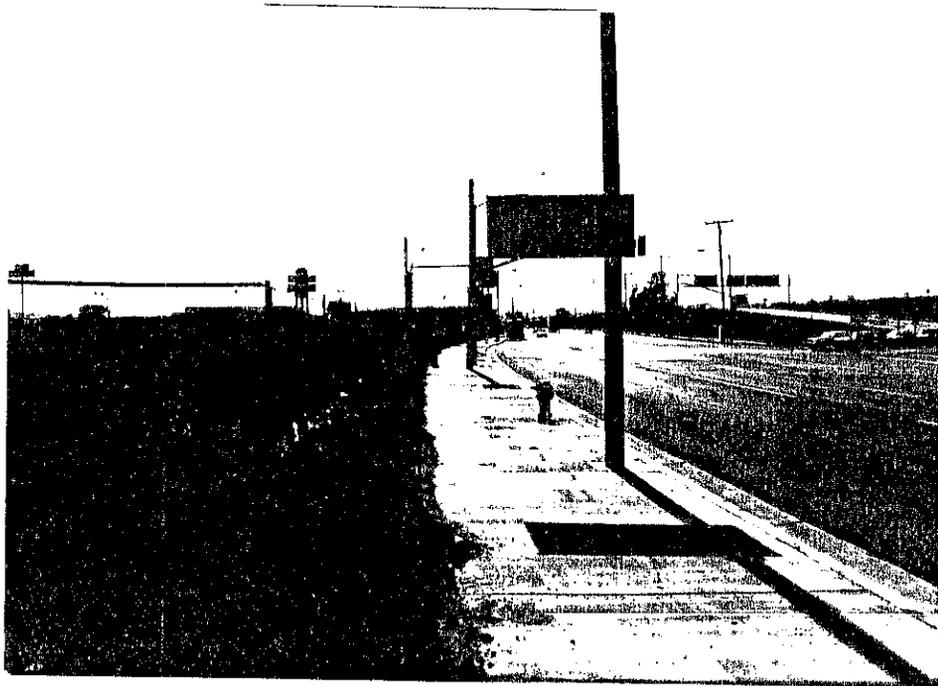


PHOTO #3
NORTHWEST CORNER OF THE SITE, LOOKING
SOUTHWEST ALONG FIGUEROA STREET

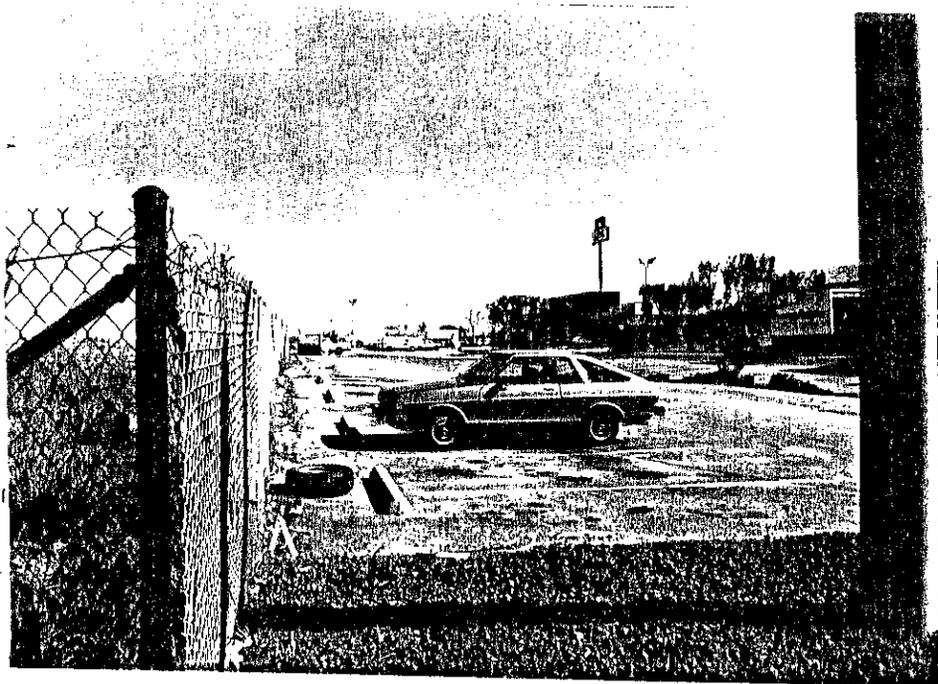


PHOTO #4
SOUTHWEST CORNER OF THE SITE, LOOKING
EAST ALONG THE FENCE LINE

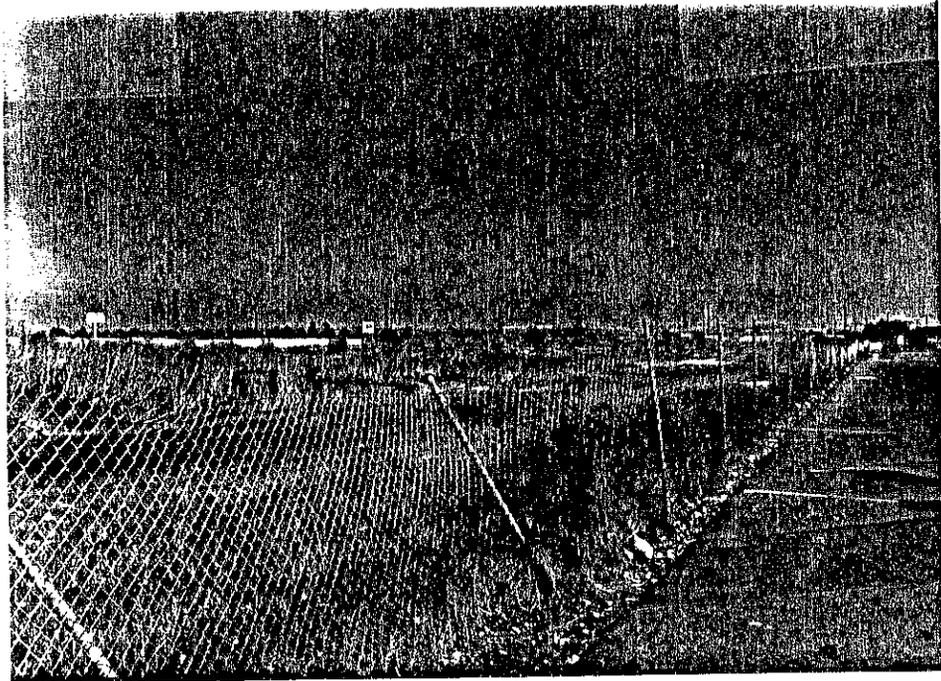


PHOTO #5
MIDWAY ALONG THE SOUTHERN EDGE OF THE SITE
LOOKING NORTHEAST ONTO THE LANDFILL

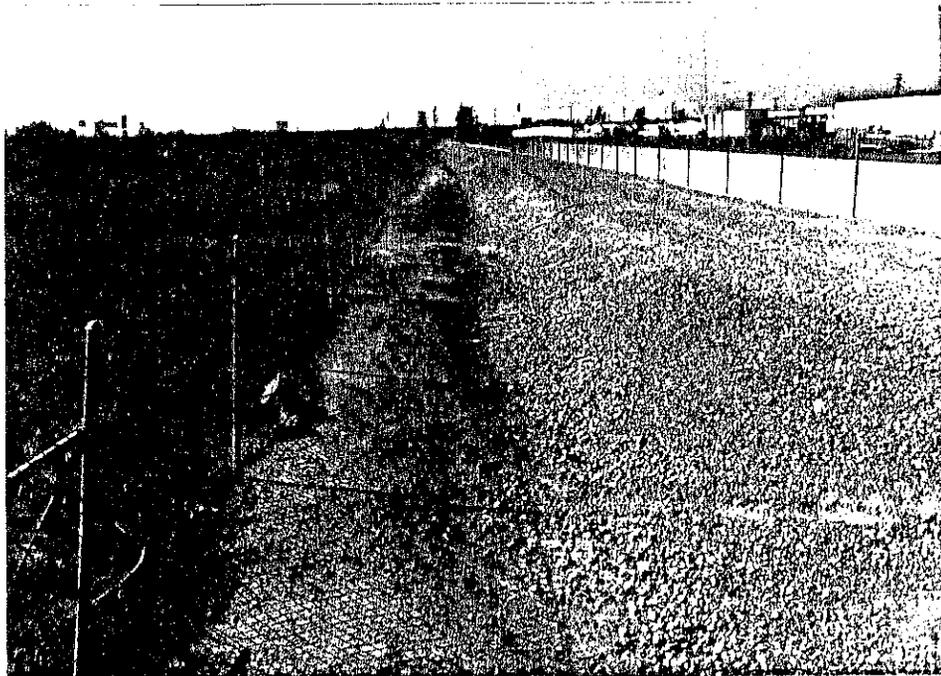


PHOTO #6
NORTHEAST CORNER OF THE SITE, LOOKING WEST ALONG
THE FENCE LINE WITH THE TORRANCE LATERAL TO THE NORTH



PHOTO #7
NORTHEAST CORNER OF THE SITE, LOOKING
SOUTH ALONG MAIN STREET

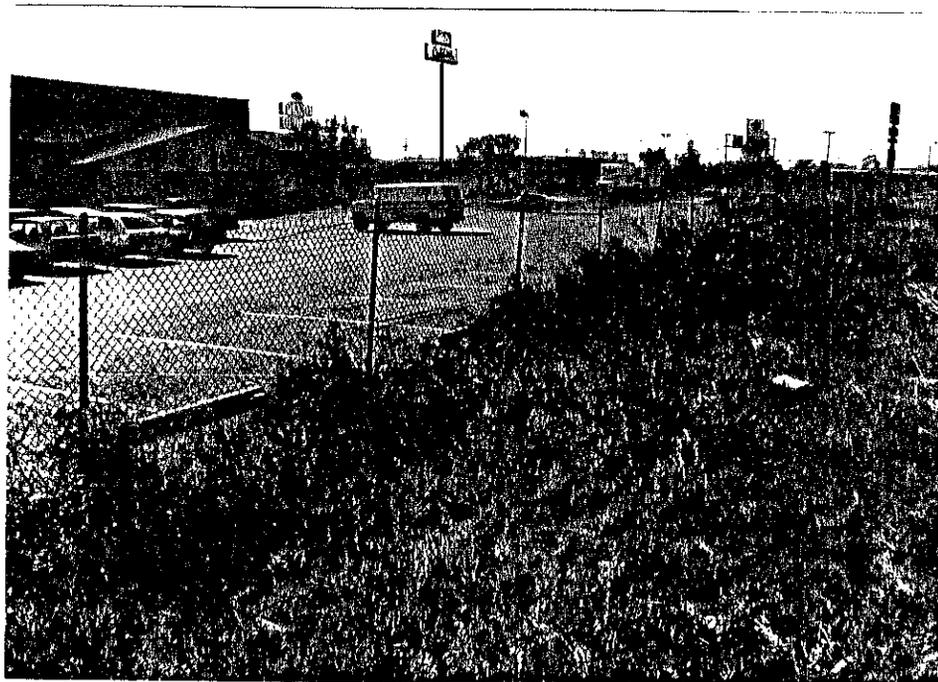


PHOTO #8
MIDWAY ALONG THE SOUTHERN EDGE OF THE SITE,
LOOKING SOUTHWEST ACROSS THE PARKING LOT

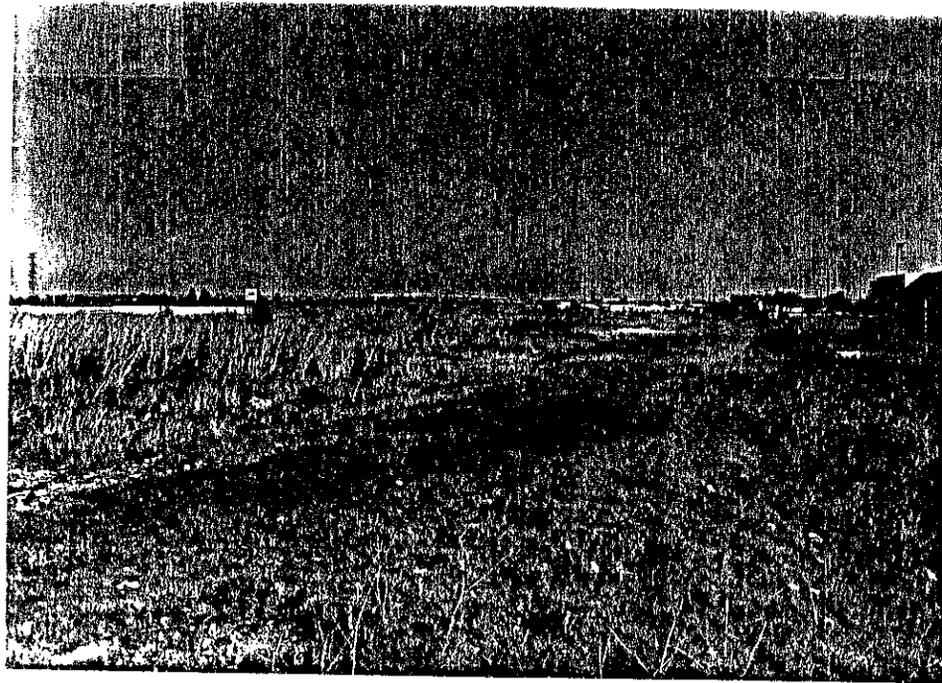


PHOTO #9
ALONG THE SOUTHERN PROPERTY EDGE, LOOKING
EAST ACROSS THE SITE TOWARD MAIN STREET

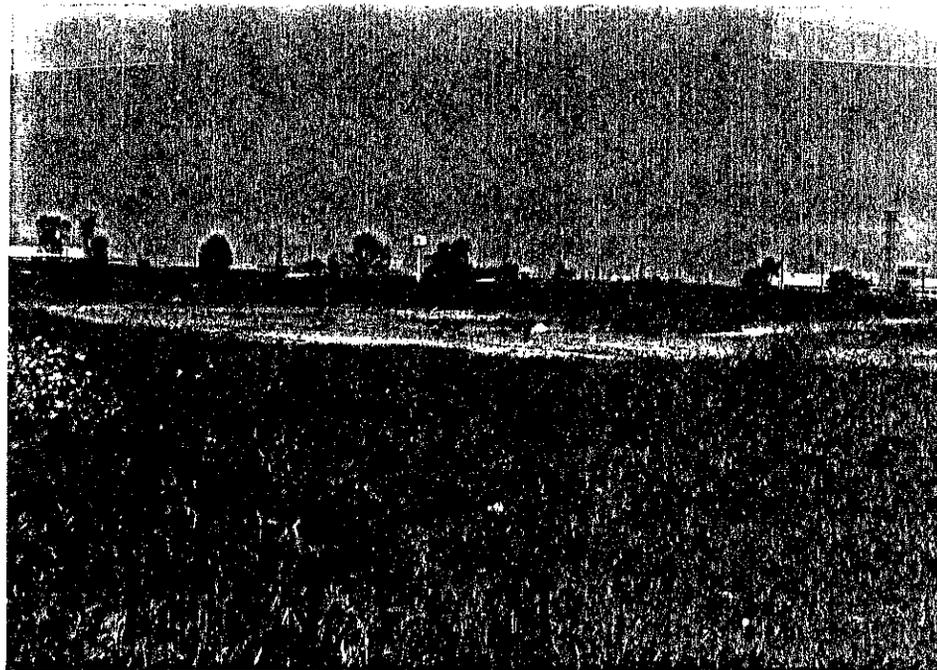


PHOTO #10
ALONG THE SOUTHERN EDGE OF THE SITE, LOOKING
ACROSS THE SITE TOWARD THE NORTHWEST CORNER

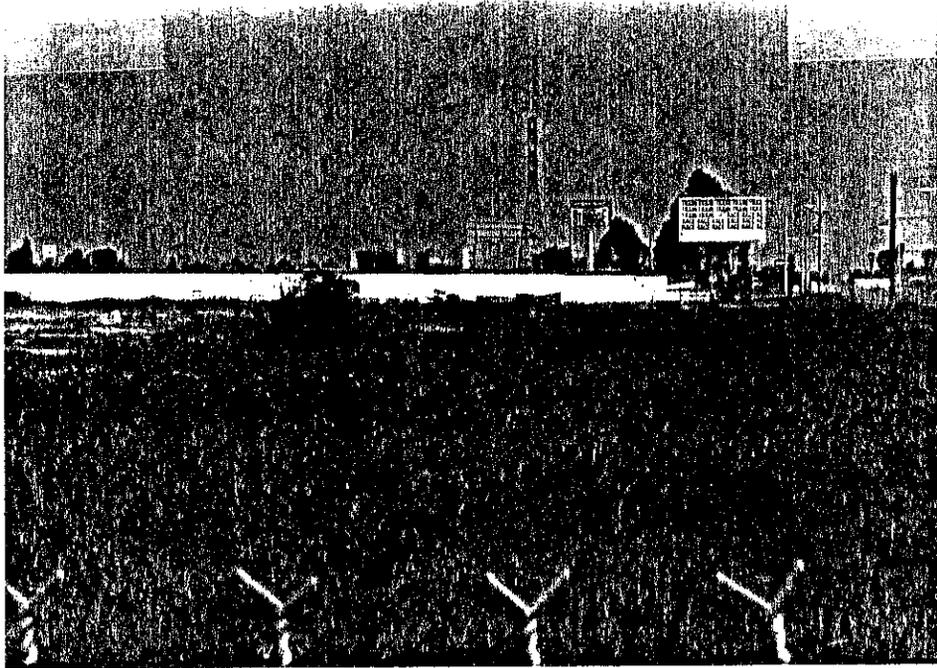


PHOTO #11
ALONG THE SOUTHERN PROPERTY LINE, LOOKING
NORTH ACROSS THE SITE TOWARD THE TORRANCE LATERAL

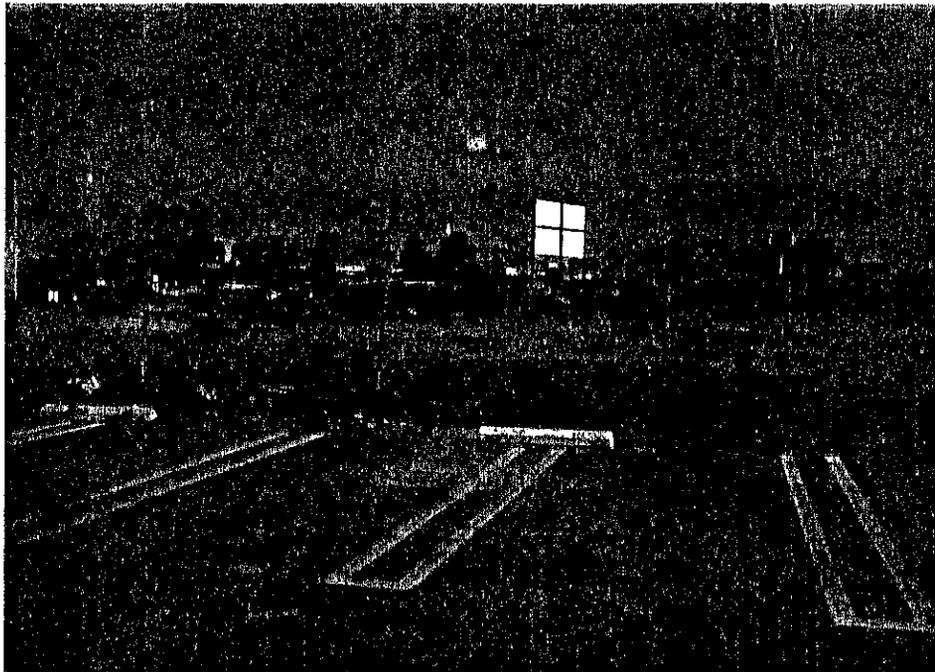
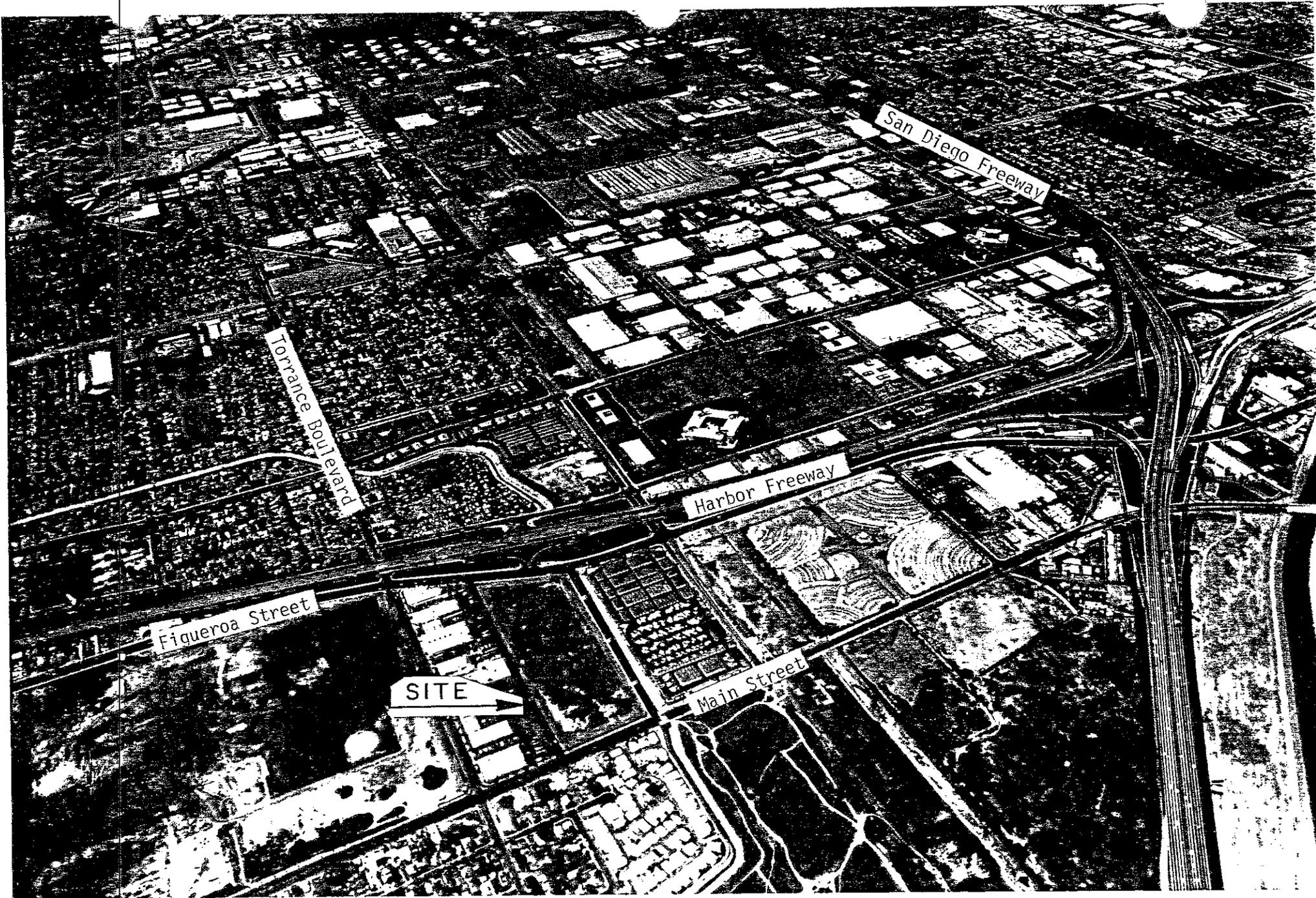


PHOTO #12
ALONG THE SOUTHERN PROPERTY LINE, LOOKING NORTH
ACROSS THE SITE TOWARD THE TORRANCE LATERAL



AN OBLIQUE VIEW OF THE GARDENA VALLEY 1 & 2 LANDFILL AND VICINITY- 1986

APPENDIX D

POTENTIAL RESPONSIBLE PARTY SEARCH REPORT

**POTENTIAL RESPONSIBLE PARTY
SEARCH REPORT
FOR
GARDENA VALLEY 1 & 2 LANDFILL**

PREPARED BY:

**LONDON PACIFIC INVESTMENTS
1010 CRENSHAW BLVD., SUITE 100
TORRANCE, CALIFORNIA 90501**

DECEMBER 1991

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EXHIBITS

| | | | |
|---------|----|--------------------|-------|
| Exhibit | 1 | 8/15/57 Letter | 16 |
| Exhibit | 2 | 8/30/57 Letter | 17-18 |
| Exhibit | 3 | 7/31/58 Letter | 19 |
| Exhibit | 4 | 8/29/58 Letter | 20-21 |
| Exhibit | 5 | 11/7/57 Letter | 22 |
| Exhibit | 6 | 1/7/58 Letter | 23-24 |
| Exhibit | 7 | 8/7/58 Letter | 25-26 |
| Exhibit | 8 | 3/21/58 Letter | 27-28 |
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| Exhibit | 10 | 12/3/59 Memorandum | 32-33 |

TOXIC LITIGATION CONSULTANTS - WATT/WALDER PROJECT
POTENTIAL RESPONSIBLE PARTY REPORT
FOR REMEDIAL ACTION PLAN

November 6, 1991

The objective of this phase of the investigation was to search for evidence to expand the base of knowledge pertaining to the dumping operations at Gardena 1 & 2 during the years when it was accepting waste, and to identify additional generators and transporters for the Remedial Action Plan. This phase of the investigation is not yet complete. We are awaiting an agreement between attorneys for our Clients and those of a former operator of the site which will allow us to interview a key witness.

At the onset of this investigation we were given a list of Potential Responsible Parties which had been compiled by BRYAN A. STIRRAT & ASSOCIATES. With the exception of GENERAL MOTORS, the source information which led these Companies to be placed on the PRP list was not identified. In almost every case, the PRP list did not include addresses. Many of the Companies had been out of business for 10-20 years. Our first efforts were concentrated on locating addresses for these previously identified PRPs, the Companies who might have acquired or merged with them, or the company Principals. The addresses were necessary for notification of the PRPs, as called for in the Remedial Action Plan. With few exceptions, our investigation has not yet turned up substantiating evidence to support the placement of these companies on the PRP list, however we located addresses or former addresses for approximately 40 of these PRPs.

At this point in time, we have obtained evidence against transporters and generators in the form of statements made by a former part time site worker, and documents retrieved from regulatory agency archives. The quantity and quality of the evidence is not yet sufficient to prove a case against any of the Potential Responsible Parties, however we consider it sufficient to classify some parties as likely candidates for inclusion in Remedial Action Plan PRP List.

WITNESSES

One full time dump site employee and one part time employee have been positively identified. ROBERT THORNTON is a former part time worker whose deceased father was the dump manager. THORNTON worked occasionally at the site when he was in High School. He stated that he recalled seeing trucks from COMPTON DISPOSAL, FLEET TRANSPORTATION and WESTERN REFUSE dumping materials at the site. It was his recollection that COMPTON DISPOSAL dumped materials that appeared to have come from industrial and business locations. We ran a Dun & Bradstreet report on COMPTON DISPOSAL CORPORATION and found that it is a suspended California Corporation. JOHN KAZARRIAN was the Corporation President.

COMPTON DISPOSAL and WESTERN REFUSE were not previously on the PRP lists. These three transporters are included on the attached PRP database report.

THORNTON also recalled a CHARLIE GRAY who was a full time pusher at the site. We found that there were over 50 CHARLES GRAYS in Los Angeles County alone. We narrowed these down to those who fit the age criteria and eventually identified the subject as an individual who died in 1986. We interviewed his family. They were cooperative but could not contribute anything significant to the investigation.

THORNTON is willing to give a Declaration as to his limited knowledge of the site.

JAMES FISHER, the former BEREDA CORPORATION Treasurer, Director and Business Manager, was located with the help of THORNTON's widow and was contacted on October 20, 1991. BEREDA documents identified this individual only as "J.W. FISHER". We learned in speaking with MR. FISHER that he is the last surviving Officer of the BEREDA CORPORATION, operators of the Gardena landfill. He also indicated that any remaining records pertaining to the Corporation, its employees and its customers are located at his San Marino office. He would not speculate as to how extensive this documentation might be.

FISHER said that he is semi-retired but that he still does some work for

the MARTIN Family Estate and it is for this purpose that he maintains the office.

DRURY explained to FISHER that the purpose of this investigation was to identify the potential responsible parties in connection with the materials dumped at the Gardena 1 & 2 Landfill. FISHER indicated a willingness to cooperate as long as he could be assured that he would not be held personally liable as an Officer of the BEREDA CORPORATION. Initially he asked only for a letter from the Investigator, however after speaking with the MARTIN Estate Attorneys, he asked for full indemnification. As of the date of this report the issue has not been settled.

FISHER is the only PRP who has been informed that an investigation is being conducted. He was informed only because other avenues for locating eye witness to the dumping operation, such as lawsuit research and conversations with inspectors, have not turned up any living witnesses who can testify to the identity of the generators or connect them with the materials found at the site.

Based upon the 11/5/91 letter from the Martin Estate Attorney, it would appear that FISHER is in possession of documents relating to the generators and employees. The letter even spoke about who would bear the cost of copying the "documents". It may be that the suggested existence of these documents is being used as "bait" to secure indemnification, however the potential value of these documents and FISHER's testimony cannot be overestimated.

As shown in the "Documents" portion of this report, J.W. FISHER is recipient of much of the correspondence directed to BEREDA from the County, regarding acceptable waste to be dumped at the Gardena Valley Dump. The County's preservation of these documents is inconsistent. There does not appear to have been an effort to copy them on microfilm or otherwise safeguard the information contained in them. Based upon our observations in the County repositories, it is entirely possible for an involved party to purloin the County's original copies while viewing files, and considering the dollar value of the many CIRCLA actions going on in the past few years such activity is not unimaginable. If FISHER has kept files containing the correspondence between BEREDA and its customers (generators), these files may give a much more complete picture of the

dumping operations than any correspondence contained in the County files.

In addition, it would seem likely that FISHER could recall the names of the on-site BEREDA employees who could testify to dumping activities, even if the payroll records have been destroyed.

If FISHER is induced to cooperate, his testimony would also be useful in authenticating the BEREDA documents we have located.

It is our expectation that if an agreement is achieved which will allow us to interview FISHER and copy his documents, we will discover new PRPs as well as vastly expanding the base of evidence against the known PRPs.

LORENZO QUINTANA was with L.A. County Engineering during the years of Gardena Dump Operation. He was not directly involved with the site, however he recalled that the site accepted municipal waste from most if not all of the cities in the Torrance area. We have included these cities on the PRP database document which is attached to this report.

In all, we have interviewed 10 potential witnesses, most of whom either did not have direct knowledge of the dumping operations or did not recall specifics. We have located other potential witnesses who are also Potential Responsible Parties. People in this category were not interviewed during this phase of the investigation.

Potential witnesses who have very common names and for whom we have no other identifying criteria have been added to our potential witness list, but we have not conducted an exhaustive search to locate them among the myriad possible individuals with the same names. There are several other potential witnesses whose names are not very common and whose names we matched with property records in remote areas of California, but were unable to obtain phone listings. These will require writing letters or taking trips to these areas, activities which may be necessary at a later date, pending the results of the anticipated FISHER interview.

We have determined through Vital Statistics or interviews with relatives that nine other potential witnesses are deceased.

A database document listing the potential witnesses is included with this report.

DOCUMENTS

Dumping tickets or other documentary evidence directly connecting transporters, transporter employees and generators with disposal at the site were required by the Permit but do not appear to have survived. It is not expected that FISHER's records would contain 30 year old dumping tickets.

We have found correspondence and requests for permits which link certain generators with dumping at the site. In addition, for the purpose of the Remedial Action Plan, inferences have been made that the same generators who used the Cal Compact site would have used the Gardena 2 site during the periods when Gardena 2 was the only site operating in the South Bay. Again, proof of this dumping will have to come from witness statements and BEREDA CORPORATION records, however these generators are added to our list as "possible" PRPs pending further investigation.

The following Companies have been linked to dumping at Gardena 1 & 2 through the documents we have found in regulatory agency offices.

1. SHELL OIL CHEMICAL DIVISION OF SHELL OIL CO.

A. August 15, 1957 letter from WILLIAM R. WARD, Manager of GARDENA VALLEY DUMP to JOHN A. LAMBIE, L.A. INDUSTRIAL WASTE DIVISION. The letter requests permission to accept **Liquid Catalyst, Lime and Water Solution and Liquid Latex**. (Exhibit 1) This is apparently in connection with the following letter written 15 days later.

B. August 30, 1957 letter from M. VOOGD, Plant Manager for SHELL CHEMICAL to JOHN LANDIE (sic). This letter answers a request by LORENZO QUINTANA to describe the quantity and characteristics of **Dilute Latex Wastes** in apparent anticipation of dumping. The quantities are described as 5-10,000 barrels per month. Eleven component chemicals are listed on the second page of the letter. (Exhibit 2)

C. July 31, 1958 INDUSTRIAL WASTE DIVISION description of permitted materials in Class I and Class II dumps (excerpted). Allows **Liquid Latex Waste**. (Exhibit 3)

D. August 29, 1958 letter from JOHN LAMBIE to BEREDA CORPORATION's J.W. FISHER with attached Permit outlining acceptable materials. Page 6, item 2.406 identifies **Liquid Latex**. (Exhibit 4)

2. U.S. GYPSUM

A. November 7, 1957 letter from BEREDA's WILLIAM R. WARD to JOHN LAMBIE requesting permission to accept **Paint in Drums, Paint Thinner in Drums and Mixed Oil and Water in Drums**, in order to accommodate U.S. GYPSUM. (Exhibit 5)

B. January 7, 1958 letter from JOHN LAMBIE to WILLIAM R. WARD granting permission to accept **Dry Paint in Drums, and Cutting Oil containing small amounts of Hydro Carbon Oils**. The letter states that acceptance of **Paint containing small amounts of Paint Thinner** will be further investigated. (Exhibit 6)

C. August 7, 1958 letter from JOHN LAMBIE to J.W. FISHER amending Gardena Valley Dump's Industrial Waste Permit. The Permit Section 2.218 allows "**Paint in drums from which the major portion of liquids have been removed**". Section 2.412 allows "**Occasional loads of cutting oil containing small amounts of hydrocarbon oils**". (Exhibit 7)

3. RITCHFIELD REFINERY - ATLANTIC RICHFIELD CORP.

A. March 21, 1958 Letter from JOHN W. HENDERSON, L.A. COUNTY ENGINEER to HAROLD SYMMONDS, L.A. COUNTY ENGINEER discussing an investigation of "**Silicate Catalyst**", a waste product from the RITCHFIELD OIL CORPORATION. The letter states that 3 unidentified dump sites were requesting permission to accept this material. (Exhibit 8)

B. March 27, 1958 Minutes Of The Industrial Waste Committee Meeting. According to the Minutes, Gardena Valley Dump, and two other dumps, were requesting permission to accept **Synthetic Aluminum Silicate Catalyst**. There was resistance to permitting this material in any but the BKK Dump, however acceptance of the material was neither denied nor approved until after an April 10th meeting. None

of the documents we located indicated final resolution of this question. (Exhibit 9)

4. CITY OF LOS ANGELES HYPERION TREATMENT PLANT

A. August 7, 1958 Letter from JOHN LAMBIE to J.W. FISHER amending Gardena Valley's Industrial Waste Permit to allow dumping of **Residue and grit from separation chambers from the Hyperion Sludge Plant.** (Exhibit 7)

5. GENERAL MOTORS

B. December 3, 1959 Memorandum from H.W. SYMMONDS to A.C. PICKETT. Seond page lists 200 barrels of **Paint Sludge** hauled by FLEET DISPOSAL to GARDENA VALLEY DUMP. (Exhibit 10)

ADDITIONAL "POSSIBLE" POTENTIAL RESPONSIBLE PARTIES

In reviewing the Permits for all of the South Bay dump sites, we found indications that the Gardena Valley site may have been the only open site convenient to the area's businesses in late 1959. By inference, drawn on what would logically have occurred in South Bay dumping activities, we have added a number of haulers and generators who were known to have been Potential Responsible Parties in the Cal. Compact case. Without proving responsibility at this stage of the project, we believe it likely that these PRPs would have used the Gardena 1 & 2 sites during the times when it was the only site open in the immediate vicinity. Evidence of this responsibility will be sought through additional witness statements in subsequent phases of this investigation.

These additional PRPs, and the materials they dumped at Cal Compact are listed on page 8 of this report.

POTENTIAL RESPONSIBLE PARTIES
(GENERATORS)

| NAME | | TYPE OF WASTE GENERATED |
|-------------------------------|------|--|
| BF Goodrich | | Latex Waste, Vinyl, Resin |
| Chrysler Corporation | | Paint Sludge |
| Fuller Co. | | Paint |
| GMC, OLDS, BUICK, PONTIAC**** | | Paint Sludge |
| Mattel Toy Company | | Latex, Paint Refuse, Paint |
| Minnesota Mining and Mfg. | | Acetylene |
| Pittsburg Plate Glass | | Paint Sludge |
| Richfield Oil Company | **** | Rotary Mud. Tank Bottoms, Acetylene |
| Shell Chemical | **** | Tar, Latex, Carbon, Tank Bottoms and Mud and Water |
| Signal Oil Co. | | Rotary Mud and Tank Bottoms |
| Standard Brands Paint | | Paint Sludge |
| Standard Oil | | Mud and Water, Rotary Mud, Wash Rack Liquid, Paint Sludge, Tank Bottoms and Paint from Spray Booths. |
| US Borax | | Latex Waste, Tank Bottoms |
| US Gypsum Company | **** | Paint, Paint Thinner, Mixed Oil and Water. |
| US Rubber | | Latex, Paint Sludge, Tank Bottoms |
| Union Oil Company | | Mud, Tank Bottoms, Sludge |
| Wallace China | | Tile Glaze, Clay and Water |

*Chrysler Corp. ****
Michigan Truck
Co.*

*Separation Under Evidence
4/2/72*

POTENTIAL RESPONSIBLE PARTY REPORT 11/6/91

| CD | NAME | ADDRESS | CITY STATE ZIP | SOURCE | PI |
|----|--------------------------------|------------------------|------------------------|-------------------|----|
| 3 | A&A RUBBISH | | | CAL COMPACT | |
| 3 | ADVANCED RUBBISH | | | CAL COMPACT | |
| 7 | AETNA CASUALTY & SURETY CO. | 151 FARMINGTON AV | HARTFORD, CT 06156 | BAS | |
| 5 | AMERICAN MOBILE HOME CORP | 1220 BEACH BLVD | STANTON, CA | BAS | |
| 1 | ARCO | 515 S. FLOWER ST | LOS ANGELES, CA 90051 | SEE RICHFIELD | |
| 1 | B.F. GOODRICH | 500 S. MAIN ST | AKRON, OH 44318 | CAL COMPACT | |
| 5 | BELL, H.A. (BELLOIL) | | | BAS | |
| 2 | BERADA CORP | 2185 HUNTINGTON DR | SAN MARINO, CA | BAS | |
| 3 | BKK CORPORATION | 2550 237TH ST | TORRANCE, CA | CAL COMPACT | |
| 3 | BUCK DOES IT | 1415 E. 9TH ST | POMONA, CA | BAS | |
| 6 | BYRON, NORMA & D.W. | 3024 VIA RIVERA | PALOS VERDES, CA 90274 | BAS | |
| 3 | CHANCELLOR & OGDEN | SEE BKK | | CAL COMPACT | |
| 3 | CHARLES LANKFORD TRUCKING | | | BAS | |
| 3 | CHEMICAL RAINBOW TANK CLEANERS | | | BAS | |
| 3 | CHEMICAL TRANSPORTATION | 3814 W. 185 TH ST | TORRANCE, CA | BAS | |
| 3 | CHEMTECH INDUSTRIES | 1655 DES PERES RD. | ST LOUIS, MO 63131 | CAL COMPACT | |
| 1 | CHRYSLER CORP | 12000 LYNN TOWNSEND DR | DETROIT, MI 48288 | CAL COMPACT | |
| 1 | CITY OF COMPTON | | | PER QUINTANA INFO | |
| 1 | CITY OF HAWTHORNE | | | PER QUINTANA INFO | |
| 1 | CITY OF LA - SAN PEDRO | | | PER QUINTANA INFO | |
| 1 | CITY OF LONG BEACH | | | PER QUINTANA INFO | |
| 1 | CITY OF LYNWOOD | | | PER QUINTANA INFO | |
| 1 | CITY OF MANHATTAN BEACH | | | PER QUINTANA INFO | |
| 1 | CITY OF PARAMOUNT | | | PER QUINTANA INFO | |
| 1 | CITY OF REDONDO BEACH | | | PER QUINTANA INFO | |
| 1 | CITY OF TORRANCE | | | PER QUINTANA INFO | |
| 3 | CITY REFUSE SERVICE | | | CAL COMPACT | |
| 5 | COATS, ROY E. & CLARINE | 3450 SAWTELLE BLVD 356 | LA, CA 90066 | BAS | |
| 3 | COMPTON DISPOSAL CO, INC | 407 E. EL SEGUNDO BLVD | COMPTON, CA | THORNTON | |
| 5 | CONSOLIDATED TRUST ASSOC. | | | BAS | |
| 1 | COUNTY OF LA - CARSON | | | PER QUINTANA INFO | |
| 5 | DEL AMO CONSTRUCTION CO. | 23840 MADISON ST | TORRANCE, CA | BAS | |

POTENTIAL RESPONSIBLE PARTY REPORT 11/6/91

| CD | NAME | ADDRESS | CITY STATE ZIP | SOURCE | PT |
|----|---------------------------------|-------------------------|---------------------------|-------------------|----|
| 6 | DEL AMO DEVELOPMENT CO. 2. | | | BAS | |
| 6 | DEL AMO ESTATE CO. | | | BAS | |
| 5 | DUNLAP, D.D. & DOROTHY | | | BAS | |
| 5 | EQUITABLE SAVINGS & LOAN | | | BAS | |
| 6 | ESENSTEN, BARBARA | 6453 VIA COLINITA | RANCHO PALOS VERDES, CA 9 | BAS | |
| 6 | ESENSTEN, JACK | 4373 DAUNTLESS DR | PANCHO PALOS VERDES, CA 9 | BAS | |
| 3 | FIX & BRAIN | | | CAL COMPACT | |
| 3 | FLEET DISPOSAL (see Waste Mgmt) | 527 W. 184TH | GARDENA | THORNTON | 2 |
| 1 | FULLER CO. | | | BAS | |
| 6 | GARBER REALTY, INC. (2a) | | | BAS | |
| 6 | GARDEN HILL, INC. (2a) | | | BAS | |
| 3 | GENERAL DISPOSAL | | | CAL COMPACT | |
| 1 | GENERAL MOTORS CORP | 3044 W. GRAND BLVD. | DETROIT, MI 48202 | DOCUMENTS | |
| 6 | GIBRALTER LAND CO. (2a) | | | BAS | |
| 1 | GOLDEN EAGLE REFINERY | | | BAS | |
| 5 | GREAT WESTERN SAVINGS & LOAN | 8484 WILSHIRE BLVD | BEVERLY HILLS, CA 90211 | BAS | |
| 6 | HERBERT, IRENE & JOHN J. | | | BAS | |
| 6 | HERRIN, L.E. (1) | | | BAS | |
| 3 | I&J INDUSTRIAL PUMPING | | | CAL COMPACT | |
| 1 | INTERNATIONAL TECHNOLOGY | 23456 HAWTHORNE BLVD | TORRANCE, CA 90505 | BAS | |
| 5 | JORDAN, H.M. | | | BAS | |
| 3 | KAZARIAN, KENNETH | 58 DAPPLEGRAY LANE | ROLLING HILLS EST., CA | SEE COMPTON DISP. | |
| 3 | KEN'S OIL CO, INC. | 11752 GARDEN GROVE BLVD | GARDEN GROVE, CA | BAS | |
| 3 | LAKEWOOD DISPOSAL | | | CAL COMPACT | |
| 6 | LAUDERVILLE, J.W. (1) | | | BAS | |
| 5 | LAY, E.B. | | | BAS | |
| 1 | LOS ANGELES CITY, HYPERION | | | BAS | |
| 2 | MAIN DUMP CORP | 798 W 182 St | GARDENA, CA | BAS | |
| 6 | MAJOR ASSOCIATES I. | 444 TOWNSEND ST | SAN FRANCISCO, CA | BAS | |
| 5 | MARTIN, ADA L. | 1085 San Marino Av | San Marino, CA 91108 | BAS | |
| 1 | MATTEL TOY | | | CAL COMPACT | |
| 1 | MINNESOTA MINING & MFG. | 311 CENTER | ST PAUL, MN 55144 | CAL COMPACT | |

POTENTIAL RESPONSIBLE PARTY REPORT 11/6/91

| CD | NAME | ADDRESS | CITY | STATE | ZIP | SOURCE | PI |
|----|---------------------------------|--------------------------|---------------|-------|-------|-------------|-----|
| 5 | MULFICH, F. & L.I. | | | | | BAS | |
| 5 | MULFICH, J. & E.N. | | | | | BAS | |
| 5 | MULLER, EVELYN J. | 4605 W. 134 ST | HAWTHORNE | CA | 90250 | BAS | |
| 3 | NOTTINGHAM | | | | | CAL COMPACT | |
| 3 | OIL FIELDS TRUCKING CO | | | | | BAS | |
| 7 | PACIFIC EMPLOYERS INSURANCE CO. | | | | | BAS | |
| 5 | PENTLAND HOMES (2) | | | | | BAS | |
| 6 | PIONEER THEATRES, INC. | 2500 West Redondo B Blvd | Torrance | CA | 90504 | BAS | 31 |
| 1 | PITTSBURG PLATE GLASS | | | | | CAL COMPACT | |
| 6 | REBEL MINI STORAGE | | | | | BAS | |
| 5 | REMCO REAL ESTATE MGMT | | | | | BAS | |
| 5 | REMCO REALTY GROUP * | 128 E Glenoaks Blvd | Glendale | CA | | BAS | |
| 6 | REPUBLIC LAND CO. (2a) | | | | | BAS | |
| 5 | RESEARCH PRODUCTS CO. | 1011-15 E, WASHINGTON A | MADISON | WI | 53701 | BAS | |
| 1 | RITCHFIELD OIL | 515 S. FLOWER ST | LOS ANGELES | CA | 90051 | DOCUMENTS | |
| 3 | ROUTH TRANSPORTATION | | | | | CAL COMPACT | |
| 6 | ROZNER, M. (1) | | | | | BAS | |
| 6 | ROZNER, MAURICE * | 1025 N Fairfax * 227 | LA | 90055 | | BAS | |
| 6 | ROZNER, MAURICE * | 15840 Vantura Blvd *859 | Encino | CA | 91436 | BAS | (d) |
| 3 | SAMPSON RUBBISH | | | | | CAL COMPACT | |
| 5 | SAN SEBASTIAN DEVELOPMENT CO. | 255 W 5TH ST | SAN PEDRO | CA | | UCC (1968) | |
| 5 | SCHNEIDER, STEVE & LIDIA C. | | | | | BAS | |
| 5 | SCHUMACHER, JOHN & GARLAND | | | | | BAS | |
| 1 | SHELL CHEMICAL | ONE SHELL PLAZA | HOUSTON | TX | 77001 | DOCUMENTS | |
| 3 | SHIELD'S OIL COMPANY | | | | | BAS | |
| 3 | SOGO DISPOSAL | | | | | CAL COMPACT | |
| 3 | SPRENGER OIL SERVICE | | | | | BAS | |
| 1 | STANDARD BRANDS PAINT | 4300 W 190TH ST | TORRANCE | CA | 90509 | CAL COMPACT | |
| 1 | STANDARD OIL | 200 E RANDOLPH DR | CHICAGO | IL | 90680 | CAL COMPACT | |
| 5 | SUNSET INTERNATIONAL PETROLEUM | 8920 WILSHIRE BLVD | BEVERLY HILLS | CA | | BAS | |
| 5 | SUNSET OIL | 5630 CHERRY AV | LONG BEACH | | | BAS | |
| 3 | SUPERIOR VACUUM | | | | | CAL COMPACT | |

POTENTIAL RESPONSIBLE PARTY REPORT 11/6/91

| CD | NAME | ADDRESS | CITY STATE ZIP | SOURCE | PH |
|----|------------------------------|--------------------------|--------------------|-------------|----|
| 6 | TITLE INSURANCE & TRUST CO. | | | BAS | |
| 1 | U.S. BORAX | 3075 WILSHIRE BLVD | LA, CA 90010 | CAL COMPACT | |
| 1 | U.S. GYPSUM | 101 S. WACKER DR. | CHICAGO, IL 60606 | DOCUMENTS | |
| 1 | U.S. RUBBER | | | CAL COMPACT | |
| 1 | UNION OIL | 461 S BOYLESTON | LA, CA 90017 | CAL COMPACT | |
| 6 | UNIVERSITY REAL ESTATE FUND | 666 E. OCEAN BLVD. * 310 | LONG BEACH | BAS | |
| 5 | VICTORIA INVESTMENT CO. (2) | 211 S. ORANGE GROVE * 11 | PASADENA | BAS | |
| 1 | WALLACE CHINA | | | CAL COMPACT | |
| 6 | WALTERS, HUGH T. | | | BAS | |
| 5 | WARD & MARTIN PARTNERSHIP | | | BAS | |
| 2 | WARD DISPOSAL CO | | | BAS | |
| 2 | WARD, CHANDLER P. | | | BAS | |
| 5 | WARD, WILLIAM RUSSELL | | | BAS | |
| 3 | WASTE MANAGEMENT (see Fleet) | 3003 BUTTERFIELD RD | HINSDALE, IL 60521 | THORNTON | |
| 5 | WERSHOW, ASH AND WERSHOW | | | BAS | |
| 3 | WESTERN WASTE INDUSTRIES | 19803 S. MAIN ST | CARSON, CA | THORNTON | 21 |

POTENTIAL WITNESSES 11/6/91 x = deceased

| NAME | COMMENTS | ADDRESS | CITY STATE ZIP | PHONE | SOURCE |
|------------------------------|-------------------------------------|------------------------|--------------------------|----------------|--------------------|
| BARNETT, CLIFF (Intvd) | ROUTH DRIVER | 35384 John Albert Dr | MADERA, CA | 209-645-0310 | ASCON |
| BRAKE, ERNEST M. | OILFIELD TRUCKING DRIVER DOB 9/21/2 | 5352 BUFFINGTON | EL MONTE, CA 91732 | UNLISTD | 3/10/59 LAWSUIT |
| BRANDT, HARVEY | LA IND WASTE | 2325 VIA ANACAPA | PALOS VERDES EST. 90274 | 213-541-1643 | DHS DOCUMENTS |
| BUCHANAN, LLOYD | BUCK DOES IT OWNER DOB 1/12/27 | 20632 E. DELORAINE DR | WALNUT, CA | UNLISTD | LAWSUIT |
| CLARK, WAYNE | LA ENGINEER | | | | 3/27/58 MEETING |
| COFELT, D | LA ENGINEER | | | | |
| DAVIS, LE ROY | LA IND. WASTE INSPECTOR | | | | |
| DEL PAINE, JERRY | BUCK DOES IT DRIVER - 1959 | BURBANK DEL PAINES | | NOT RELATED TO | LAWSUIT |
| DOBES, MILO J. | LA IND WASTE | 838 OAKGLADE DR | MONROVIA, CA | unlstd | 3/21/58 MEMO |
| EGGETT, MATTHEW (Intvd) | REG. WAT. POL. CONTR. BD. 12/17/17 | 5126 TOBIAS AV | SHERMAN OAKS, CA 91403 | 818-789-5798 | 3/27/58 MEETING |
| EPPERSON, ELLSWORTH J. | HEAD DUMP ENGINEER | | | | LA IND WASTE FILES |
| EVANS, CHARLES | L.A. FLOOD CONTROL | | | | 3/27/58 MEETING |
| FISHER, JAMES .W. (h) (Intv) | BEREDA TREASURER | 111 HOLDMAN AV | SIERRA MADRE | 818-355-7692 | COUNTY DOCS |
| FISHER, JAMES .W. (office) | BEREDA TREASURER | 2233 HUNTINGTON DR * 1 | San Marino, CA 91108 | 213-681-7273 | COUNTY DOCS |
| FULD, F (FRED JR.) (Intvd) | MAIN DUMP TREASURER - DOB 5/3/19 | 6 GEPRGEFF RD | ROLLING HILLS, CA 90274 | 213-377-4495 | COUNTY DOCS |
| GRAY, CHARLES JR. (Intvd) | SON OF BEREDA EMPLOYEE | 12717 WALDORF DR | LYNWOOD, CA 90262 | 213-638-6562 | THORNTON |
| GRAY, THERESA | WIFE OF CHARLES GRAY SR | 12717 WALDORF DR | LYNWOOD, CA 90262 | | THORNTON |
| HAIDINGER-HAYES INC | INSUR. AGENTS FOR SUNSET OIL | | | | 1960 LAWSUIT |
| HENDERSON, JOHN W. | LA ENGINEER | | | | 3/27/58 MEETING |
| HERTEL, R.M. | DUMP EMPLOYEE ? | | | | COUNTY DOCS |
| HUGHES, C.H. | LA ENGINEER | | | | 3/27/58 MEETING |
| KAHAN, CHARLES | L.A. CO. ENGINEER | 13016 MINDANAO WY * 1 | MARINA DEL REY, CA 90292 | UNLSTD | 3/27/58 MEETING |
| KAHAN, CHARLES | L.A. CO. ENGINEER | 5759 JEANETTE AV | LA MESA, CA 92041 | 619-465-0433 | 3/27/58 MEETING |
| KING, RAYE | L.A. FLOOD CONTROL | 441 RAPHAEL CT | ENCINITAS, CA 92024 | 619-436-6528 | 3/27/58 MEETING |
| KNIGHT, JOE R. | HEAD I.W. INSPECTOR | 28902 DARGAN ST | AGOURA HILLS, CA | UNLSTD | QUINTANA |
| KRIEDEL, GORDON | LA ENGINEER | 15545 LOS MOLINOS ST | HACIENDA HTS, CA 91745 | | 3/27/58 MEETING |
| MARTIN, ADA L. | WIFE OF BURT | 1085 SAN MARINO AV | SAN MARINO, CA 91108 | | |
| MOORE, ROBERT A. | I.W. INSPECTOR | | | | DHS DOCS |
| MOSHER, M.M. | L.A. HEALTH | 1337 OCEAN AV * A | SANTA MONICA, CA 90401 | | 3/27/58 MEETING |
| MYERSON, LAWRENCE | L.A. FLOOD CONTROL | | | | 3/27/58 MEETING |
| O'DONNELL, DAVILLAK MRS | GARDENA DUMP CORP SECTY | | | | LA IND WASTE FILES |
| PARTIN JOHN, L. | LA IND WASTE DIV. ENG. | | | | 10/25/63 MEMO |

POTENTIAL WITNESSES 11/6/91 x = deceased

| NAME | COMMENTS | ADDRESS | CITY STATE ZIP | PHONE | SOURCE |
|---------------------------|--------------------------------------|------------------------|----------------------------|--------------|--------------------|
| PICKETT, ARTHUR | LA ENGINEER | 626 MULBERRY | ATWATER, CA 95301 | 209X358X0776 | 3/27/58 MEETING, G |
| QUINTANA, LORENZO (Intvd) | LA ENGINEER/INVESTIGATOR | 4552 LAYMAN AV | PICO RIVERA, CA 90660 | 213-692-1601 | 3/27/58 MEETING |
| ROBERTS, JIM (Intvd) | Air Quality | | | 213-403-3460 | Link |
| SJOBERG, CARL (Intvd) | LA IND WASTE | | | | |
| TALLEY, OTIS | LA IND WASTE | | | | |
| THOMPSON, JAMES BENSON | Fleet driver | | | | Lawsuit 4/14/59 |
| THORNTON, ROBERT W JR (| BEREDA DUMP LABORER | 7207 BIG SUR ST | FONTANA, CA 92336 | 714-823-5781 | LA IND WASTE FILES |
| THORNTON, ROBERT W JR (| WORK # 714-720-9696 | 7207 BIG SUR ST | FONTANA, CA 92336 | 714-823-5781 | LA IND WASTE FILES |
| VOOGD, MAARTEN | SHELL CHEM PLANT MGR | 918 PALOMAR RD | OJAI, CA 93023 | 805-646-1512 | |
| VREELAND, ROBERT JAMES | OILFIELD SERVICE DRIVER (wrong compa | | | | 11/17/58 LAWSUIT |
| WARD, MARGIE | WIDOW OF RUSS WARD | 2543 N PALOS VERDES DR | ROLLING HILLS EST CA 90274 | UNLSTD | |
| x GRAY, CHARLES C. | MAIN DUMP ENGINEER per Thornton | 12717 WALDORF DR | LYNWOOD, CA 90262 | | |
| x LARSON, LINNE C. | V. | DECEASED PER EGGETT | | | GM MEMO, COUNTY |
| x MARTIN, BERT W (sp?) | DUMP OPERATOR | P.O. BOX 53 | HOUSTON, TX | | STIRRAT |
| x MARTIN, BURT W. | DUMP OPERATOR | 2075 W. MOUNTAIN ST | GLENDALE, CA 91201 | UNLISTD | TITLE |
| x MESSIER, HENRY LORING | L.A. HEALTH | | | | 3/27/58 MEETING |
| x SYMONDS, HAROLD W. | LA ENGINEER died 4 months ago at 94 | 812 N. ONTARIO ST | BURBANK, CA 91505 | 818-846-1039 | 3/27/58 MEETING |
| x THORNTON, ROBERT W. S | BEREDA DUMP MGR. | | | | |
| x WARD, CHANDLER P. | SECTY. MAIN & BEREDA DUMPS | deceased 11/6/79 | | | COUNTY DOCS |
| x WARD, WILLIAM R. | PRESIDENT MAIN & BEREDA DUMPS | | | | COUNTY DOCS |
| YAMAMOTO, Y | L.A. HEALTH | | | | 3/27/58 MEETING |

FILES REVIEWED DURING INVESTIGATION
OF
POTENTIAL RESPONSIBLE PARTIES AND
WITNESSES ASSOCIATED WITH
GARDENA LANDFILLS # 1 & 2

California Department of Health Services, Long Beach, Cal.
Files Reviewed:

TCL Landfill, Wilmington
Victoria Golf Course/BKK Disposal, Carson
Gardena Landfill 1 & 2, Carson
Cal Compact, Carson
Del Amo Blvd Landfill, Carson
Southwest Conservation, Carson
Del Amo and Main Street, Carson
Golden Eagle Refinery/Gardena Valley#5, Carson

Los Angeles County Engineer Office of Industrial Waste.
Files Reviewed:

Gardena Landfill 1 & 2, Carson
Cal Compact, Carson
Victoria Golf Course/BKK, Carson
Southwest Conservation, Carson
Golden Eagle Refinery, Carson
Industrial Waste Hauler Report File

California Regional Water Quality Control Board, Los Angeles. Files Reviewed:

Cal Compact, Carson
Victoria Golf Course/BKK, Carson
Southwest Conservation, Carson
Gardena Valley 1 & 2

South Coast Air Quality Management District. Files Reviewed:

Gardena Landfill 1 & 2

California Integrated Waste Management Board.
Files Reviewed:

Gardena Landfill 1 & 2

Cal Compact Potential Responsible Party Report Prepared by
Law Offices of Graham and James.

Gardena Landfill SWAT Report.

" " Site Investigation Prepared B.A.S Assoc
" " PRP Report as prepared by the Law Firm of
Heller, Ehrman, White and Mc Auliff.

Los Angeles County Superior Court Archives - Civil Lawsuits

C O P Y

GARDENA VALLEY DUMP
401 WEST 208TH STREET
TORRANCE, CALIFORNIA

August 15, 1957

Mr. John A. Lambie, County Engineer
Industrial Waste Division
Department of County Engineers
108 West Second Street
Los Angeles 12, California

Attention: Arthur Pickett, Division Engineer

Gentlemen:

We would appreciate your granting us permission to dump the following items:

1. Liquid catalyst.
2. Lime and water solution.

(a) We have previously been given permission to accept acetylene sludge which we understood would be the same as lime and water solution. Your inspector has interpreted that there is a difference and we are hereby requesting both a clarification and specific permission to accept the above.

3. Liquid latex.

All of the above items will be handled at the dump site in accordance with your regulations covering same.

Very truly yours,

ss/ William R. Ward
William R. Ward, Manager

JWF:dko:EW

cc: William R. Ward
Gardena Valley Dump

56

COPY

SHELL CHEMICAL CORPORATION

Post Office Box 211
Torrance, California

August 30, 1957



L. C. LARSON

R. M. HEN

Mr. John A. Landie
Room 725
Los Angeles County Engineer Building
108 West Second Street
Los Angeles 12, California

OCT 7 1957

SEP 25

M. G. EGGETT
L. C. LARSON
OCT 7 1957
SEP 2 1957

ATTENTION: Mr. Arthur Pickett

Gentlemen:

Your Mr. Quintana phoned our Mr. A. E. Martin on August 29, 1957, requesting written information on the quantity and characteristics of dilute latex wastes to assist in the problem of granting permits to certain public dumps to accept this material.

The wastes originate from the cleaning of tanks, vessels, lines and pumps necessitated by the formation of pre-coagulum which fouls or clogs the equipment and thereby interferes with the process. Pre-coagulum is rubber that precipitates from the latex prior to the controlled coagulation operation. In the past, most of these wastes were received in open, concrete pits, coagulated by hand with alum, the rubber removed, and the aqueous wastes discharged through that sewer system leading to Dominguez Channel. In the program to improve the characteristics of drainage to Dominguez Channel, most of the dilute latex wastes are kept out of the plant effluent by the costly tactic of hauling them to a public dump for disposal through admixture with dry fill. Since the dilute emulsion is quite unstable, the rubber has a strong tendency to adhere to all solid surfaces. The only real point requiring consideration is believed to be the character and quantity of the water-soluble components.

The quantity of dilute latex wastes varies considerably, but is on the order of 5-10,000 barrels per month. The solids content, rubber, is usually less than 1%. Approximately 99% of the waste is water from Dominguez Water Company or Los Angeles Department of Water and Power. The major water soluble constituent is soap. Types used are usually sodium, or sometimes potassium, salts of fatty acids or rosin acids. The average quantity is ca 6% of the solids content. This is equivalent to .06% or less soap content in the wastes as dumped. The estimated average content of other water soluble constituents is shown in the following table:

August 30, 1957

Materialppm

| | |
|--|----|
| Tri sodium and tri potassium phosphate | 40 |
| Potassium pyrophosphate | 30 |
| Ferrous sulfate | 15 |
| Tamol N (a detergent-type material) | 8 |
| Versene Fe-3 | 8 |
| Sodium dimethyl dithiocarbamate* | 8 |
| Para menthane hydroperoxide* | 8 |
| Potassium sulfate | 5 |
| Poly H. Special (complex amines) | 1 |
| Sodium nitrate | 1 |
| Hydroquinone | 1 |

*These substances inactivate each other.

All of these materials are handled at full strength in the manufacturing process without any special precautions, and are believed to be relatively innocuous. If additional information is desired, kindly let us know.

Yours very truly,

SHELL CHEMICAL CORPORATION

M. Voogd
Plant Manager

Mr. Linne C. Larson, Executive Officer

July 31, 1958
Page 3

- 2.302 In this permit market refuse shall mean: Waste vegetables or fruit, or the cuttings, trimmings, residue, or scraps therefrom that have resulted from the preparation of vegetables or fruit in markets or fruit or vegetable packing houses for public sale in markets.
- 2.303 The acceptance of garbage and market refuse at this site will be limited as follows: Limitations no less rigorous than those placed by the Regional Planning Commission or Health Department will appear in this space.
- 2.400 LIQUIDS AND SEMI-LIQUIDS ACCEPTABLE AT CLASS I AND CLASS II SITES ONLY.
- 2.401 Rotary drilling mud from oil field drilling operations
- 2.402 Cleanings from production tanks. Cleanings from production tanks are defined as the residues removed in the cleaning of tanks used solely for the production and storage of unrefined petroleum. Tank cleanings do not include any substance derived from the cleaning of tanks used in connection with oil refinery wastes or other refined petroleum products.
- 2.403 Acetylene sludge
- 2.404 Sludge from automobile wash racks and steel cleaning products
- 2.405 Mud and water from laundries
- 2.406 Liquid latex waste
- 2.407 Ceramic, pottery and glaze wastes
- 2.408 Sludge derived from the softening of water by the lime soda process.
- 2.409 Water containing not more than 0.5% molasses
- 2.410 Paint sludge recovered from water circulation in paint spray booths.

Whenever a site has been zoned by the Regional Planning Commission to allow the acceptance of garbage and/or market refuse, with or without stated limitations, the permit will include:

- 2.214 Garbage. See Limitations - Section 2.303

August 29, 1958

CERTIFIED MAIL

The Berada Corporation
Gardena Valley Dump Division
2185 Huntington Drive
San Marino, California

Attention Mr. J. W. Fisher

Gentlemen:

GARDENA VALLEY DUMP (I-3727)

Attached is a copy of the "Standard Conditions and Limitations for Dumps" which will govern the operation of your waste disposal facility under provision of your Industrial Waste Permit.

Your permit was previously amended to a similar form on May 20, 1958 and further amended by our letter dated August 7, 1958 to allow the acceptance of additional materials. The attached form permits acceptance of all of the materials approved for your site. In addition, this form clarifies certain items contained in your previous conditions.

Section 9.000 to 9.999 of these new conditions contains provisions imposed by Ordinance No. 7338 which requires the installation of scales at any waste disposal facility open to the public at which a charge is collected for the disposal of waste. This Ordinance requires that such scales be installed at your site on or before December 6, 1958.

Effective immediately upon receipt of this letter all previous conditions and limitations to your Industrial Waste Permit are superseded and are replaced by the attached conditions. The pages of these conditions are dated. As conditions are amended in the future, you will be supplied with new sheets to replace the equivalent sheets.

Sincerely yours,

John A. Lambie
COUNTY ENGINEER

Original Signed

Arthur Pickett
Division Engineer
Industrial Waste Division

AGP-JH:jt
Enc.

Tank cleanings do not include any substance derived from the cleaning of tanks used in connection with oil refinery wastes or other refined petroleum products.

- 2.403 Acetylene sludge ✓
- 2.404 Sludge from automobile wash racks and steam cleaning products ✓
- 2.405 Mud and water from laundries ✓
- 2.406 Liquid latex waste ✓
- 2.407 Ceramic, pottery and glaze wastes ✓
- 2.408 Sludge derived from the softening of water by the lime soda process. ✓
- 2.409 Water containing not more than 0.5% molasses ✓
- 2.410 Paint sludge recovered from water circulated in paint spray booths ✓
- 2.411 Water containing lampblack and incidental amounts of mud resulting from floor washing ✓
- 2.412 Occasional loads of cutting oil containing small amounts of hydrocarbon oils ✓

3.000 HANDLING OF ACCEPTABLE MATERIALS

- 3.100 Inert solid fill. The following Items numbered 3.101 to 3.199 inclusive, are applicable to inert solid fill as defined under Items numbered 2.100 to 2.199 inclusive.
 - 3.101 Inert solid fill may be deposited at any location within the dumping area, as shown on the approved plan, but shall not be used for final cover unless approved by the County Engineer.
 - 3.102 Upon written notice from the County Engineer, deposited inert solid fill shall be spread or distributed as it is dumped to provide a uniform cover, to be compatible with adjoining lands or the vicinity in which it is located.

- 3.200 Rubbish and Refuse. The following Items numbered 3.201 to 3.299 inclusive, are applicable to rubbish and refuse, and other materials listed in Items numbered 2.200 to 2.499 inclusive.

OFFICE COPY RETURN TO
INDUSTRIAL WASTE DIVISION
LOS ANGELES COUNTY ENGINEER
ROOM 109 W. 2ND STREET
LOS ANGELES 12, CALIF.

C O P Y

GARDENA VALLEY DUMP
401 WEST 208TH STREET
TORRANCE, CALIFORNIA

November 7, 1957

John A. Lambie, County Engineer
Industrial Waste Division
Department of County Engineers
108 West Second Street
Los Angeles 12, California

Attention Arthur Pickett, Division Engineer

Gentlemen:

We would appreciate your granting us permission to dump paint in drums, paint thinner in drums and mixed oil and water in drums. This request is being made in order to accomodate the U. S. Gypsum Company and one or two other industrial accounts who anticipate the occasional need for inclusion of these items with other rubbish being dumped in our facilities.

Very truly yours,

William R. Ward
William R. Ward, Manager

by J. W. Fisher

Industrial Waste Division

COUNTY OF LOS ANGELES

DEPARTMENT OF COUNTY ENGINEER

INDUSTRIAL WASTE DIVISION

105 WEST SECOND STREET

LOS ANGELES 12, CALIFORNIA

MADISON 9-4747

JOHN A. LAMBIE

COUNTY ENGINEER

FORD B. DODDS

CHIEF DEPUTY

ARTHUR PICKETT

DIVISION ENGINEER

JOHN L. MARTIN

ASSISTANT DIVISION ENGINEER

January 7, 1958

L. C. LARSON

JAN 15 1958

R. M. HERTZ

Gardena Valley Dump
401 West 208th Street
Torrance, California



Attention Mr. William B. Ward

JAN 15 1958

Gentlemen:

G. EGGETT

GARDENA VALLEY DUMP (I-3727)

JAN 16 1958

Your letter of November 7, 1957 requesting modification of your Industrial Waste Permit to allow the acceptance of paint, paint thinner, and mixed oil and water has been considered by the Industrial Waste Committee.

The acceptance of dry paint in drums and cutting oil containing small amounts of hydro carbon oils was approved by the Committee. However, the acceptance of drums of rejected paint, containing small amounts of paint thinner will be further investigated.

Immediately upon receipt of this letter Condition No. 5 of your Industrial Waste Permit No. 1739 is revised to read as follows:

5. Materials accepted for disposal above elevation $+ 0.5$ U.S.C. & G.S. Sea Level Datum of 1929 shall be limited to materials listed in Condition No. 4 above, and in addition thereto may include ordinary household and commercial refuse containing any or all of the following materials:
 - a. Metals and metal products except magnesium, its alloys, and its salts
 - b. Paper and paper products including roofing and tarpaper
 - c. Cloth and clothing
 - d. Wood and wood products
 - e. Lawn clippings, sod and shrubbery
 - f. Cold ashes
 - g. Manufactured rubber products
 - h. Solid plastic products

- i. Small quantities of noxious materials in mixed loads of rubbish
- j. Solid mud cake
- k. Paint sludge recovered from water circulated paint spray booths
- l. Oil soaked excelsior or straw used to absorb hydrocarbon oil from waste water.
- m. Acetylene sludge
- n. Sludge from garage wash racks
- o. Tile glaze waste
- Ceramic clay waste
- Enamel sludge
- Marble glaze sludge
- p. Rotary drilling mud
- Tank bottom sediments

Tank bottom sediments shall be restricted to those resulting from the cleaning of tanks used for the storage of crude oil. Tank bottom sediments derived from the cleaning of tanks used in connection with the oil refining or for the storage of oil refinery wastes are specifically excluded from this definition.

- r. Occasional truck loads of dry paint in drums.
- s. Occasional loads of cutting oil containing small amounts of hydro carbon oil.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

Original Signed

Arthur Pickett
Division Engineer
Industrial Waste Division

ACP-MJD:TW

COUNTY OF LOS ANGELES

DEPARTMENT OF COUNTY ENGINEER

INDUSTRIAL WASTE DIVISION

108 WEST SECOND STREET

LOS ANGELES 12, CALIFORNIA

PHONE 9-4747

JOHN A. LAMBIE

COUNTY ENGINEER

FORD S. DODDS

CHIEF DEPUTY



PICKETT
ENGINEER
PARTIN
ASSISTANT DIVISION ENGINEER

August 7, 1958

CERTIFIED MAIL

The Berada Corporation
Gardena Valley Dump Division
2185 Huntington Drive
San Marino, California

Attention Mr. J. W. Fisher

Gentlemen:

L. C. LARSON

AUG 14 1958

M. G. EGGETT

AUG 14 1958

R. M. HER

AUG 13 1958

J. H. HANSC

AUG 13 1958

GARDENA VALLEY DUMP (I-3727)

Effective immediately on receipt of this letter your Industrial Waste Permit is amended as follows:

Items now listed as 2.214 to 2.218 inclusive are deleted from your permit and are replaced by:

2.214 Garbage-subject to limitations in Item 2.303.

2.215 Oil soaked excelsior or straw used to absorb hydrocarbon oils from waste water.

2.216 Hog manure and hog pen refuse containing substantial quantities of garbage and refuse from hog feeding operations.

2.217 Residue and grit from separation chambers from the Hyperion Sludge Plant-See Special Conditions, Item 10.004.

2.218 Paint in drums from which the major portion of liquids have been removed.

The following items are added to your permit:

2.411 Water containing lampblack and incidental amounts of mud resulting from floor washing.

2.412 Occasional loads of cutting oil containing small amounts of hydrocarbon oils.

10.004 (Special Condition) Residue and grit from separation chambers from the Hyperion Sludge Plant must be treated as follows:

- a. This material must be covered immediately.
- b. Such steps as are necessary be taken at all times to prevent fly breeding or odor nuisance.

This amendment is subject to approval of the Regional Water Pollution Control Board.

Yours very truly,

John A. Lambie
COUNTY ENGINEER

Original Signed

Arthur Pickett
Division Engineer
Industrial Waste Division

AGP-JWH:IN

L. C. LARSON

MEMORANDUM

MAR 31 1958

TO: Mr. Harold W. Symmonds
FROM: Mr. John W. Henderson
FILE: I.W. PD STANDARDS AND LIMITATIONS
DATE: March 21, 1958

In accordance with instructions contained in Assignment No. 545 I have investigated the waste product which has been called "Silicate Catalyst" produced by Richfield Oil Corporation. It is believed that other catalytic wastes are being produced by refineries in the area. However, they were not considered in this investigation. A memorandum filed by Milo J. Dobas, on March 7, 1958, gave the results of our visit to the Richfield Oil Corporation, and a sample of the waste material was forwarded to the laboratory for analysis. Calculated soluble solids in this material was determined as 2.8%.

Mr. Graham of Richfield Oil Corporation states that Mr. Larson of the Water Pollution Control Board has told him that this material is acceptable in Class II Dumps provided it does not exceed 4000 ppm. total dissolved solids in the form presented for disposal. Based on the 4000 ppm. allowable TDS and considering all soluble material in solution, one gallon of water would be needed for each pound of dry waste. Figuring 30 pounds per cubic foot for dry material or 30 gallons of water for each cubic foot of waste, 810 gallons of water would be needed for each cubic yard of waste. The T1 and T2 fixed bed units at Richfield produce 8 cubic yards of waste per week. Proper dilution of this material would require approximately 6480 gallons of water per week. The waste from fluid bed units, at the present time, is shipped in a slurry of 50% solid waste and 50% water on a volume basis. This means that approximately 22 cubic feet of water and 22 cubic feet of waste are in each ton of slurry, or 660 pounds of waste and 1373 pounds of water. 496 gallons of water per ton additional would be required for proper dilution of this material, and approximately 4 tons of the slurry is produced from fluid bed units per day. This means that an additional amount of 1984 gallons of water per day would be needed, for proper dilution of the waste from fluid bed units.

I have discussed this matter with Mr. Graham and he says that dilution to this extent would not be economical. For this reason he is going to continue to have this material hauled to the City of Long Beach for disposal in their facilities.

We have had requests from at least 3 dumps located in County unincorporated territory requesting permission to accept this material under various names. This waste material has been called (1) Liquid Catalyst, (2) Synthetic Silicate Catalyst From The Richfield Oil Refinery, and (3) Silicate Catalyst.

None of these requests gave any true indication of what the material was. As a result of consideration of the request from Mr. Cassidy the material was discussed by the Industrial Waste Committee at its meeting held December 17, 1977, as Synthetic Silicate Catalyst. Information received at that time indicated that the material was relatively insoluble and would not constitute any hazard. At this meeting the Committee approved the acceptance of this material provided that the total dissolved solids did not exceed 2000 ppm. Since that time several permits have been modified to allow acceptance of this material. However, the amendment made no mention of the limitation on total dissolved solids.

The catalytic waste being produced by Richfield Oil Corporation is not acceptable in either its dry form or as a slurry since the soluble percentage of the dry material is sufficient to constitute a hazard, and since it is not economically feasible to mix the dry material or the slurry with sufficient water to bring the TDS to less than 7000 ppm. For this reason letters are being prepared to the operators who have requested this material, denying their request. In addition, permits which have been amended to allow acceptance of this material will be further amended denying acceptance of this material.

JWH:EW

cc: AGP, JLP, WC, TTC, JWH, MJD, LQ, FILE

MINUTES OF THE INDUSTRIAL WASTE COMMITTEE
 MEETING FOR MARCH 27, 1958
 Room 629, H. W. Hellman Building
 354 South Spring Street
 Los Angeles 13, California

This meeting was held for the purpose of considering the applications for Industrial Waste Permits and the conditions and limitations to be included therein for the following:

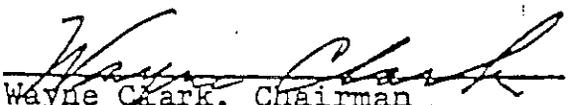
- (1) B. F. Porter Estate (Aliso Canyon Oil Field)
- (2) Report on synthetic aluminum silicate from the Richfield Refinery
- (3) Los Angeles County Boys Camps

Present at the Meeting were:

| | |
|-------------------|---|
| Matthew Eggett | Regional Water Pollution Control Board #4 |
| Charles Evans | L. A. County Flood Control District |
| Charles Kahan | L. A. County Engineer |
| Raye King | L. A. County Flood Control District |
| H. L. Messier | L. A. County Health Department |
| M. M. Mosher | L. A. County Health Department |
| Lawrence Myerson | L. A. County Flood Control District |
| Y. Yamamoto | L. A. County Health Department |
| Arthur Pickett | L. A. County Engineer |
| Wayne Clark | L. A. County Engineer |
| John W. Henderson | L. A. County Engineer |
| C. H. Hughes | L. A. County Engineer |
| Gordon Kingel | L. A. County Engineer |
| L. Quintana | L. A. County Engineer |
| H. W. Symmonds | L. A. County Engineer |

Recording Secretary Harriet Fifer

Submitted by


 Wayne Clark, Chairman
 Industrial Waste Committee

March 27, 1958

B. F. PORTER ESTATE (Aliso Canyon Oil Field) I-1040

This Company has submitted an application for an Industrial Waste Permit to operate an injection well known as Limekiln #1. The Division of Oil and Gas report on proposed operations for this well has been received by this office.

Mr. Symmonds stated that he believed that the Regional Board has already established requirements for this well since it was processed by the Regional Board as being located in the City of Los Angeles.

Mr. Pickett stated he thought this was a different well and that it might need some special consideration by members of the Committee.

Mr. Symmonds answered that it definitely is not in the City of Los Angeles. It is near the northwest boundary of the City of San Fernando in unincorporated area.

Mr. Eggett stated that it was erroneously processed by the Board as being located in the City of Los Angeles. This error was then discovered and then sent to the County Engineer for an Industrial Waste Permit.

In conclusion, the Committee had no objections to issuing this Company an Industrial Waste Permit to operate Limekiln #1 as an injection well for the disposal of oil field waste water.

REPORT ON SYNTHETIC ALUMINUM SILICATE FROM RICHFIELD REFINERY

This office has received a request from the Adams Dump, Cassidy Dump and the Gardena Valley Dump to accept a synthetic aluminum silicate waste from the Richfield Refinery.

This catalyst, as it is being hauled to the dumps, is a very fine dust that must be wetted down before it can be hauled. There has been some doubt as to whether this material is acceptable since analyses have shown dissolved solids in excess of 4,000 p.p.m.

An investigation was conducted by personnel of this office and Mr. Graham was contacted at the Richfield Refinery.

March 27, 1958

REPORT ON SYNTHETIC ALUMINUM SILICATE FROM RICHFIELD REFINERY (Cont'd)

Mr. Henderson stated that he had visited the Richfield Refinery and found that the waste being produced is primarily of two types. The Company uses two fixed bed units and one liquid bed unit in the catalytic processes for refining petroleum.

Mr. Henderson stated that the waste material weighs about 30 pounds per cubic foot in the form that it is collected. Other waste from the liquid bed unit is a slurry type waste of the same composition. The final method of collecting for transportation of wet catalyst is to mix it one volume of water to one volume of solid. The Company has run chemical analyses on this slurry material and the results show that the total dissolved solids consistently stay between 7,000 and 9,000 p.p.m., mostly sulphates. The difference in the total dissolved solids seems to be caused by whether the operators use fresh well water or waste water used in their operations.

Mr. Henderson continued and stated that this Department is now in the process of drafting a letter that will be sent to all operators of waste disposal facilities in the unincorporated area, in which the operators will be notified that this catalytic waste material is not acceptable at the dumps. The letter further informs the operators that in the future, if a special waste is to be considered for acceptance at these dumps, it will be necessary that they provide this office with a sample of this waste and specific and direct information about the origin.

Mr. Eggett stated that this synthetic silicate catalyst is included in the Permit Amendment for the B.K.K. Dump, which will be considered by the Regional Board at its meeting to be held on April 10, 1958. Mr. Eggett continued and stated that he would like a copy of all the information regarding this material so that it can be presented to the Board. He also stated that this specific material would be called to the Board's attention without any recommendation from the staff, and if approved for acceptance at this dump, he could see no reason why all permits in this area should not be amended to allow the acceptance of this synthetic waste.

Mr. Messier of the Health Department stated that if it was approved by the Regional Board that he would have no objection to allowing the dumps in this area to take this material.

Mr. King of the Flood Control, also insisted on consistency.

In conclusion, this office will not deny nor approve the acceptance of this material until after the decision of the Regional Board at its April 10th meeting.

MEMORANDUM

TO: Mr. A. C. Pickett
 FROM: Mr. H. W. Symmonds
 FILE: PD WASTE HAULERS CORRESPONDENCE
 DATE: December 3, 1959

Attached are compilations of liquid waste haulers receipts for the month of October.

IN UNINCORPORATED COUNTY TERRITORY

| | |
|-------------------------|-----------|
| ALAMEDA STREET DUMP | I-1318-20 |
| GARDENA VALLEY DUMP | I-3727-20 |
| SAN GABRIEL VALLEY DUMP | I-4202-30 |

All materials reported conform to permit conditions.

IN THE CITY OF SANTA FE SPRINGS

NORWALK DISPOSAL CO. I-2469-1H

The Norwalk Dump Company does not have a permit issued by the City of Santa Fe Springs. The permit issued by the County before incorporation of their property excludes some of the material accepted in October.

Reports from Regions 70 and 40, being concerned with disposal to injection wells and mud sumps were not compiled and the reports forwarded to the two regions.

The original Haulers Report Slips have been segregated by industry and sent to the proper regional office for review and disposal.

RAM:hf

cc: PD WASTE HAULERS CORRESPONDENCE
 I-1318-20
 I-3727-20
 I-4202-30
 Region 10
 Region 20
 Region 30

EWS

GARDENA VALLEY DUMP
(I-3727-20)

| <u>PRODUCER</u> | <u>HAULER</u> | <u>WASTE</u> | <u>BBLS</u> |
|----------------------------------|---------------|-----------------|-------------|
| General Motora by Fleet Disposal | | Paint Sludge | 25 |
| General Motors by Fleet Disposal | | Paint Sludge | 20 |
| General Motors by Fleet Disposal | | Paint Sludge | 25 |
| General Motors by Fleet Disposal | | Paint Sludge | 25 |
| General Motors by Fleet Disposal | | Paint Sludge | 25 |
| General Motors by Fleet Disposal | | Paint Sludge | 25 |
| General Motors by Fleet Disposal | | Paint Sludge | 25 |
| General Motors by Fleet Disposal | | Paint Sludge | 25 |

200 bbls.

ADDENDUM TO
POTENTIAL RESPONSIBILITY REPORT DATED 11/6/91
SUBMITTED BY
TOXIC LITIGATION CONSULTANTS
GARDENA VALLEY 1 & 2

Pursuant to documentation contained in the November 6, 1991, report, the following should be added as a PRP and named in the Remedial Action Plan now under consideration:

Operator: The Bereda Corporation
 2233 Huntington Drive
 San Marino, CA 91108

Further, pursuant to a Chain of Title search of Los Angeles County Records performed by Chicago Title Company on March 10, 1988, the following should be added to the PRP list (within the Remedial Action Plan) on Gardena Valley 1 & 2:

Owners: Burt W. Martin
 (Owner: 1958-1964)
 2075 W. Mountain Street
 Glendale, CA 91201

 William R. Ward
 (Owner: 1958-1964)
 (Status and Address unknown at this time)

 H. M. Jordan
 (Owner: 1955-1958)
 (Status and Address unknown at this time)

The addresses shown are the last known addresses.

Draft Remedial Investigation Report Groundwater Operable Unit

Volume I

For A Portion of the Gardena Valley 1 & 2 Landfill

Los Angeles County Assessor's No. 7336-3-30

May 1993

Prepared For:

Watt/Walder Limited Partnership
1010 Crenshaw Boulevard, Suite 100
Torrance, California 90501

Prepared By:

BRYAN A. STIRRAT & ASSOCIATES, INC.
1360 Valley Vista Drive
Diamond Bar, California 91765
(909) 860-7777



DRAFT
REMEDIAL INVESTIGATION REPORT
GROUNDWATER OPERABLE UNIT FOR A PORTION OF
THE GARDENA VALLEY 1 & 2 LANDFILL

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1.0 INTRODUCTION

1.1 SITE BACKGROUND

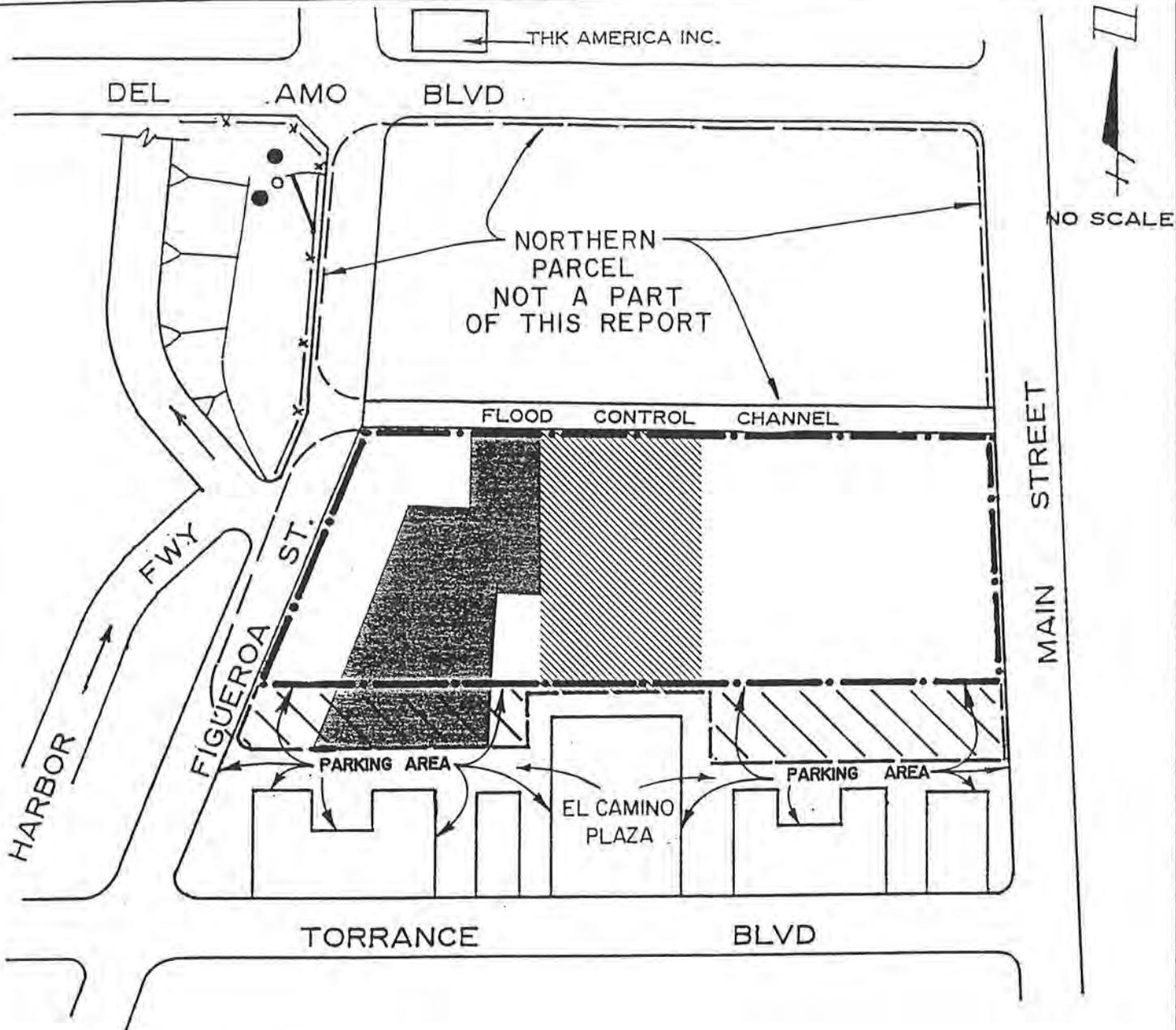
1.1.1 SITE DESCRIPTION

The project site consists of a portion of the former Gardena Valley 1 & 2 Landfill, and is located in the City of Carson, California. It is an undeveloped parcel of land located between Main Street, Figueroa Street, the El Camino Plaza, and the Torrance Lateral to the Dominguez Flood Control Channel (Figure 1-1). The site is identified as Assessor's Parcel No. 7336-3-30, being Parcel 4 of Map 5616, Book 62, Page 68 of the County of Los Angeles and is located immediately adjacent to several inactive landfills (Figure 1-2).

An aerial survey has been done on the site. From the aerial survey data it was determined that the project site encompasses approximately 14.46 acres of an estimated 28.7 acres for the entire landfill. A parking lot adjacent to the site on the south currently covers a portion of the landfill and encompasses 3.56 acres. This parking lot services the El Camino Plaza. The portion of the landfill to the north of the Torrance lateral has been paved and is currently being used as a mini-storage business. Presently, there are no containment structures, leachate or gas collection, control, or removal systems, or drainage control facilities on the site. However, design and construction of a landfill cover and gas collection system are currently under way.

1.1.2 SITE HISTORY

The Gardena Valley 1 & 2 Landfill was authorized to operate as a Class II waste disposal facility under an Industrial Waste Disposal Permit issued by the County of Los Angeles. Based upon the County Department of Public Works' (DPW) records, operation began in November 1956, and ceased in October 1959. The portion of the landfill within the scope of this investigation was designed to be a cut and fill operation with an original design capacity of 574,235 yds³ of trash with two feet of specified final cover (52,025 yds³). DPW records indicate that the pattern of landfilling was from the east to the west.



NO SCALE

LEGEND

- PROJECT BOUNDARY
- — — ESTIMATED ORIGINAL LANDFILL BOUNDARY (B.A.S., 1990)
- COMPLETED NOV /56 - OCT /58
- ▨ COMPLETED OCT /58 - FEB /59
- ▩ COMPLETED FEB /59 - OCT /59
- ▧ SOUTHERN PARCEL (INCLUDED IN THIS REPORT)

FIGURE 1 - 1



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GARDENA VALLEY 1 AND 2

LOCATION MAP

| | |
|-------------|--------|
| JOB NO. | 9174 |
| DATE | 6-1989 |
| DRAWN BY: | PTN |
| CHECKED BY: | TGA |

NOTES :

1. AMERICAN DISPOSAL INC., NO. 1
2. ASCOT PARK
3. KOERNER DUMP
4. BROWN DUMP
5. COTTLER DUMP
6. SOUTHWEST STEEL ROLLING MILL NO. 2
7. MOR-GLOW PAINT & LACQUER
8. BROADWAY-MAIN COMPANY
9. SOUTHERN CALIFORNIA DISPOSAL
10. L.A. COUNTY SANITATION 1A
11. SOUTHWEST STEEL ROLLING MILL NO. 1
12. L.A. COUNTY SANITATION 1B
13. MARTIN HALLEMAN
14. MONTROSE CHEMICAL SITE
15. DEL AMO SITE
16. VERMONT AVENUE/KNOX STREET DUMP
17. SHELL CHEMICAL
18. SOUTHWEST CONSERVATION LANDFILL
19. CARSON SITE
20. ROYAL BOULEVARD LANDFILL
21. GARDENA VALLEY 4 LANDFILL
22. GARDENA VALLEY 1 & 2 LANDFILL
23. GARDENA VALLEY 5 LANDFILL
24. WERDIN DUMP
25. CAL COMPACT LANDFILL
26. 213TH STREET DUMP
27. GARDENA VALLEY 6 LANDFILL

LEGEND :

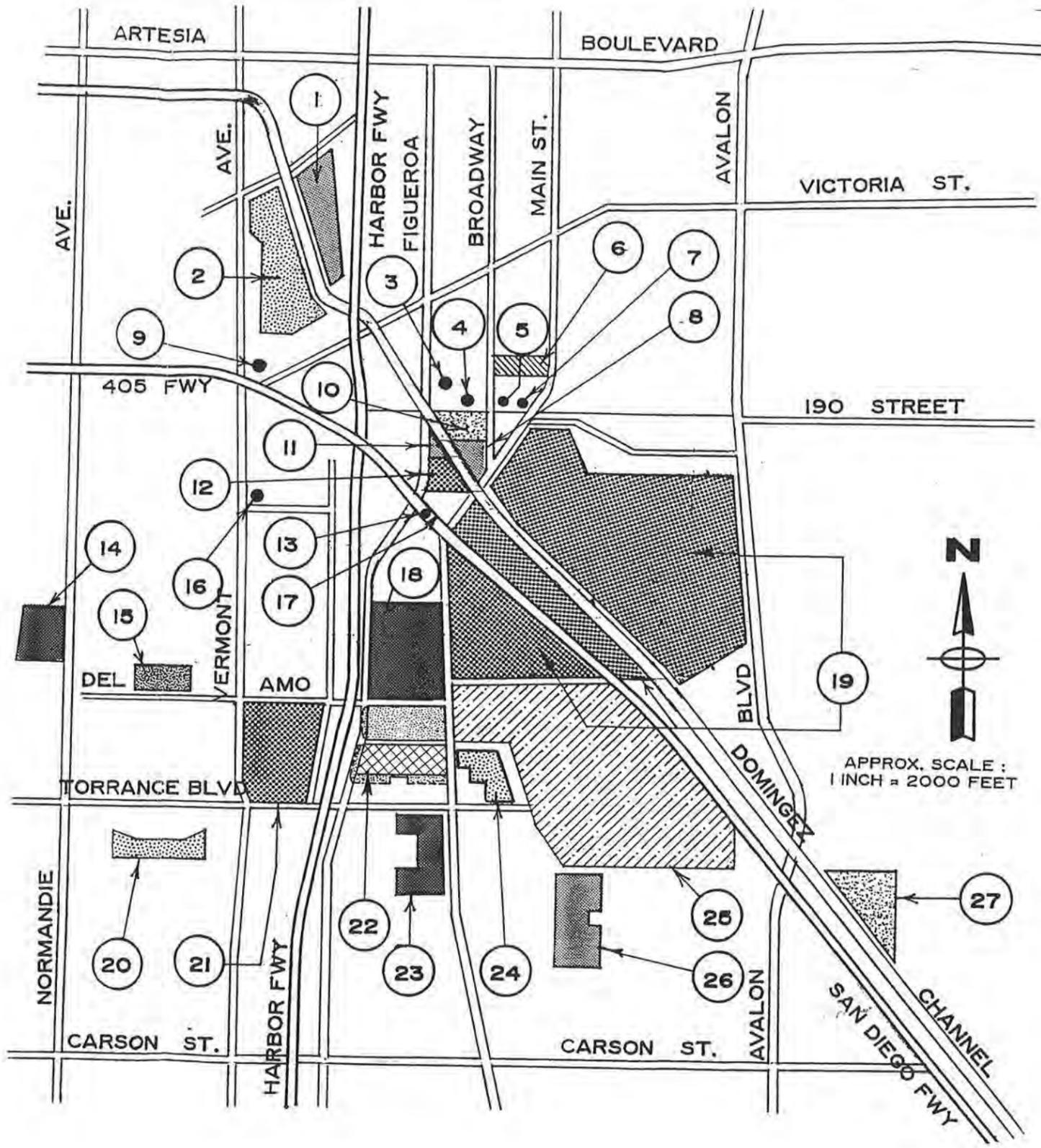
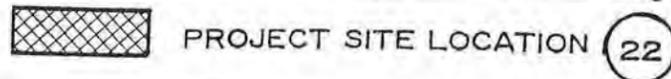


FIGURE 1-2

BAS [714] 860-7777
BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GARDENA VALLEY 1 & 2
SITE LOCATION MAP
 AND NEARBY LANDFILLS

| | |
|-------------|------------|
| JOB NO. | 90102-8100 |
| DATE | JUNE 1991 |
| DRAWN BY: | PTN |
| CHECKED BY: | TGA |

Permitted wastes included combustible and noncombustible rubbish, mixed garbage, construction refuse, insoluble solid industrial wastes, solid fill, and "a few specified innocuous industrial wastes and sludges". Hog waste was included by special consideration. Industrial liquid wastes, sludges and water-soluble solids were specifically excluded. The permit conditions specified that waste materials accepted by the site consist of 75 percent residential waste and 25 percent other wastes. Other wastes consisted predominantly of construction refuse. As the filling proceeded to the west, a larger portion of the 25 percent "other wastes" consisted of insoluble solid industrial waste. Landfill permit conditions also required a ratio of one part clean soil to three parts waste material.

The following materials were specifically allowed to be disposed of at Gardena Valley 1 & 2 by the Los Angeles Regional Water Quality Control Board under Resolution #58-26. The exact quantities and types of wastes disposed of are unknown.

- o Solid ordinary household wastes;
- o Semi-liquids (10 gallon/yd³);
- o Rotary drill mud and crude oil tank bottoms;
- o Drill crude;
- o Unrefined petroleum tank cleanings;
- o Paint sludge and dry paint in drums;
- o Acetylene sludge;
- o Auto wash sludge;
- o Laundry sludge;
- o Latex;
- o Lime and soda water;
- o Molasses;
- o Cutting oil containing small amounts of hydrocarbon; and,
- o Certain semi-liquid wastes on a case-by-case basis.

It is estimated that the entire Gardena Valley 1 & 2 Landfill received approximately 938,250 cubic yards of wastes. Approximately 440,125 cubic yards are estimated to have been placed in that portion of the landfill being investigated for this Remedial Investigation (RI). The southern portion of the landfill is estimated to contain approximately 108,337 cubic yards. These calculations take into consideration a permitted 3:1 ratio of solid waste to clean soil material in determining the actual waste quantities received.

Since 1983, several investigations have been performed at the site, including a Wastefill Remedial Investigation, Baseline Health Risk Assessment, Feasibility Study, and Remedial Action Plan. A summary of these investigations is included in the approved RI/FS Work Plan and Section 3.0 of this report.

The site has been considered for commercial development since 1963. Other portions of the former landfill, to the north across the Torrance Lateral and to the south of the property have been developed. In 1980, the City of Carson requested the State Department of Health Services (DHS), Toxic Substances Control Division, currently DTSC, to evaluate the site to determine if it is a hazardous waste property as defined in the Health and Safety Code, Chapter 6.5., Article 11. The site was owned at that time by R.A. and Nadine I. Watt, Equitable Savings, and Ross P. and Jeannette McDaniel. The site was purchased in 1985 by Jules Walder of London Pacific Investments, Inc. (LPI). Neither Jules Walder nor LPI was responsible for the placement of any waste materials in the landfill. On April 18, 1989, LPI entered into a Consent Agreement with DHS. The objective of the Consent Agreement is to ensure that any release or threatened release of contaminants is thoroughly investigated, that appropriate remedial actions are taken, and that any proposed development of the land is achieved in a manner that ensures public health and safety and protects the environment.

In accordance with this Consent Agreement, a **Remedial Investigation/ Feasibility Study (RI/FS) Work Plan** was prepared by **Bryan A. Stirrat & Associates, Inc. (BAS)** outlining all tasks to be completed in order to determine the nature and extent of contamination at the site, and to collect all necessary

data to support a comprehensive Health Risk Assessment and Feasibility Study. The RI/FS Work Plan was submitted to DHS for review and comment on June 1, 1989, and approved on December 28, 1989.

On January 10, 1990, upon approval of the RI/FS Work Plan, mobilization began and field activities were initiated. To date, all elements of the December 28, 1989, Final (RI/FS) Work Plan have been completed. On April 18, 1990, an Interim Report was submitted which provided preliminary findings of the wastefill and hydrogeologic characterization. Due to anomalies encountered in the hydrogeologic portion of the RI, supplemental work plans were prepared and submitted to DHS and additional groundwater monitoring wells were installed on the site. A post-interim report was submitted on August 8, 1990, which reported the progress of the hydrogeologic investigation. A total of eighteen monitoring wells and piezometers have been constructed for this investigation.

Due to delays encountered in the hydrogeologic portion of the investigation and the need to address gas migration problems associated with the wastefill and infiltration of water into the landfill, the Department approved dividing the project into two separate "operable units". The two operable units are "Wastefill" and "Groundwater" and will be addressed as separate programs. The use of two operable units will not affect the ultimate remedial alternatives due to the fact that the remedial measures for groundwater will be placed outside of that portion of the landfill being investigated for wastefill.

As a result of this division, new schedules and documents associated with the two units have been developed. This RI report is intended to address only those elements related to the Groundwater Operable Unit. The RI Report, Baseline Health Risk Assessment, Feasibility Study Report, and Remedial Action Plan for the Wastefill Operable Unit have been completed and approved by DTSC. The remedial design for the Wastefill Operable Unit is currently being prepared.

PURPOSE AND OBJECTIVES

The purpose of this RI was to characterize the nature and extent of groundwater contamination and to evaluate the nature and extent of risk posed by the subject site, provide information to evaluate potential remedial options, and ensure that any proposed development is achieved in a manner that is protective of public health, safety, and the environment.

At DTSC's direction, the work completed and data collected under the December 28, 1989 RI/FS Work Plan have been summarized in this RI Report. This RI Report has been prepared in accordance with and is intended to comply with the requirements of the Consent Agreement issued by the Department of Health Services (DHS) on April 18, 1989, and was prepared using the Environmental Protection Agency (EPA) RI/FS guidance documents, the National Contingency Plan (40 CFR Part 300), as amended, as well as the applicable state laws and regulations. Where appropriate, this report has incorporated all activities to be completed for compliance with the Water Quality Solid Waste Assessment Test (SWAT) required by the Regional Water Quality Control Board (RWQCB).

The objectives of the RI for the Groundwater Operable Unit (herein after referred to as the **Groundwater RI**) were to:

- o Determine the nature and extent of groundwater contamination, if any;
- o Identify all existing and potential contaminant migration pathways, including the direction, rate, and dispersion of contaminant migration;
- o Identify potential remedial actions to be analyzed in the FS and gather sufficient data to support the study of those potential actions; and,
- o Validate past results and expand on previous investigations, where appropriate, including chemical analysis and physical dimensions.

1.3 REPORT ORGANIZATION

This report is separated into three volumes. Volume I of this report is separated into eight sections. Section 1.0 is this introduction, Section 2.0 includes a summary of previous investigations conducted at the site. Section 3.0 provides a summary of all field work that was done in conjunction with the groundwater portion of this investigation. Section 4.0 provides a description of the regional and local geologic and hydrogeologic conditions. These descriptions are derived from information gathered during the field investigations at the Gardena Valley 1 & 2 Landfill, investigations of other sites in the local area, and a review of literature concerning the City of Carson area. Section 5.0 summarizes the nature and extent of groundwater contamination for that portion of the Gardena Valley 1 & 2 Landfill that is the subject of this RI. This section includes: characterization of background and downgradient conditions in the shallow, intermediate, and deep zones of the Bellflower Aquifer and in the underlying Gage Aquifer. Section 6.0 identifies any data limitations due to the physical constraints of the site, and Section 7.0 and 8.0 provide an overview of the community relations activities to date and the Health and Safety planning, respectively.

Volume II contains Appendices A through D. Appendix A contains data related to the Site Investigation. Appendix B contains the Site Investigation Plans. Appendix C contains tables summarizing the laboratory results and Appendix D is a summary of Quality Assurance Activities.

Volumes III and IV contain Appendix E which includes all the raw data from the laboratory results.

2.0 PREVIOUS SITE ASSESSMENT WORK

2.1 INTRODUCTION

Several site assessments have been conducted to date. The primary site assessments have been summarized in the Final Work Plan (RI/FS) and are included in Appendix A4 of this report. Those site assessments, which are related to the Groundwater Operable Unit, are presented in this section. Data obtained from the remedial investigation has been used to re-evaluate the information obtained during these previous investigations of local groundwater. These evaluations are included in Section 5.0. The following sections summarize the primary site assessments related to groundwater used in this RI Report.

2.2 "INVESTIGATION OF PROPOSED WARD DUMP"; 1956, AN INTER-DEPARTMENT COMMUNICATION BY THE STATE DEPARTMENT OF WATER RESOURCES.

2.2.1 GENERAL SUMMARY

The purpose of this report was to determine the following:

- o The geology and hydrogeology of the disposal area to determine whether the disposal of wastes would affect any usable groundwater;
- o The quality of any usable groundwater that could be affected, as well as the location of the nearest wells in the vicinity of the site; and,
- o "Anticipated high good water at the site".

2.2.2 SIGNIFICANT RESULTS

Groundwater analysis in the report cited sulfate concentrations from 262 to 471 mg/l in the semi-perched zone.

The report concluded that "poor quality water was found locally in shallow finer grained sediments in the Laguna Dominguez area. This poor quality water was attributed to past disposals of industrial wastes in the area". The maximum groundwater level was estimated to be sea level.

2.3 **FOCUSED ENVIRONMENTAL ASSESSMENT OF THE GARDENA VALLEY 1 & 2 CLASS II LANDFILL, MAY 1985, (BY BCL ASSOCIATES, INC., FOR WATT INDUSTRIES, INC.)**

2.3.1 GENERAL SUMMARY

The purpose of this "Focused Environmental Assessment" was to identify possible problems associated with the site due to the former use of the site for waste disposal. This report reviewed historical records regarding waste disposed at the site, and presented soil, vapor, and groundwater data. The specific objectives associated with the project were as follows:

- o The identification of any potentially hazardous materials present on or within the project site;
- o The determination of the concentration and volume of hazardous materials present on or in the project site;
- o The determination of the significance of any hazardous materials detected on or in the project site; and,
- o The development of appropriate remedial action(s), if necessary, to enable future development of the property.

2.3.2 SIGNIFICANT RESULTS

- o **Quantity of Wastes** - An estimate of 938,250 cubic yards of waste which was disposed at the Gardena Valley 1 & 2 Landfill was calculated using the following assumptions: 1) L.A. County records indicating total volume landfilled (including cover, soil, and waste) of approximately 1,276,105 cubic yards, and 2) permit conditions which required a ratio of one part clean soil (cover) to three parts waste.

- The project site represented only 14.46 acres of the total 28.7 acres of the originally permitted landfill site (BCL estimate).
 - The volume of waste contained beneath the project site was estimated to be 440.125 cubic yards.
- o **Soils** - Fourteen soil borings were located on the site (Figure 3-1). Surface samples were collected from each boring, subsurface samples were collected at 3-foot intervals, and 14 composite samples from 7 selected borings were analyzed. The depth of the borings ranged from 30 to 37 feet. Analyses were made for the California Assessment Manual (CAM) metals as well as for organic compounds.

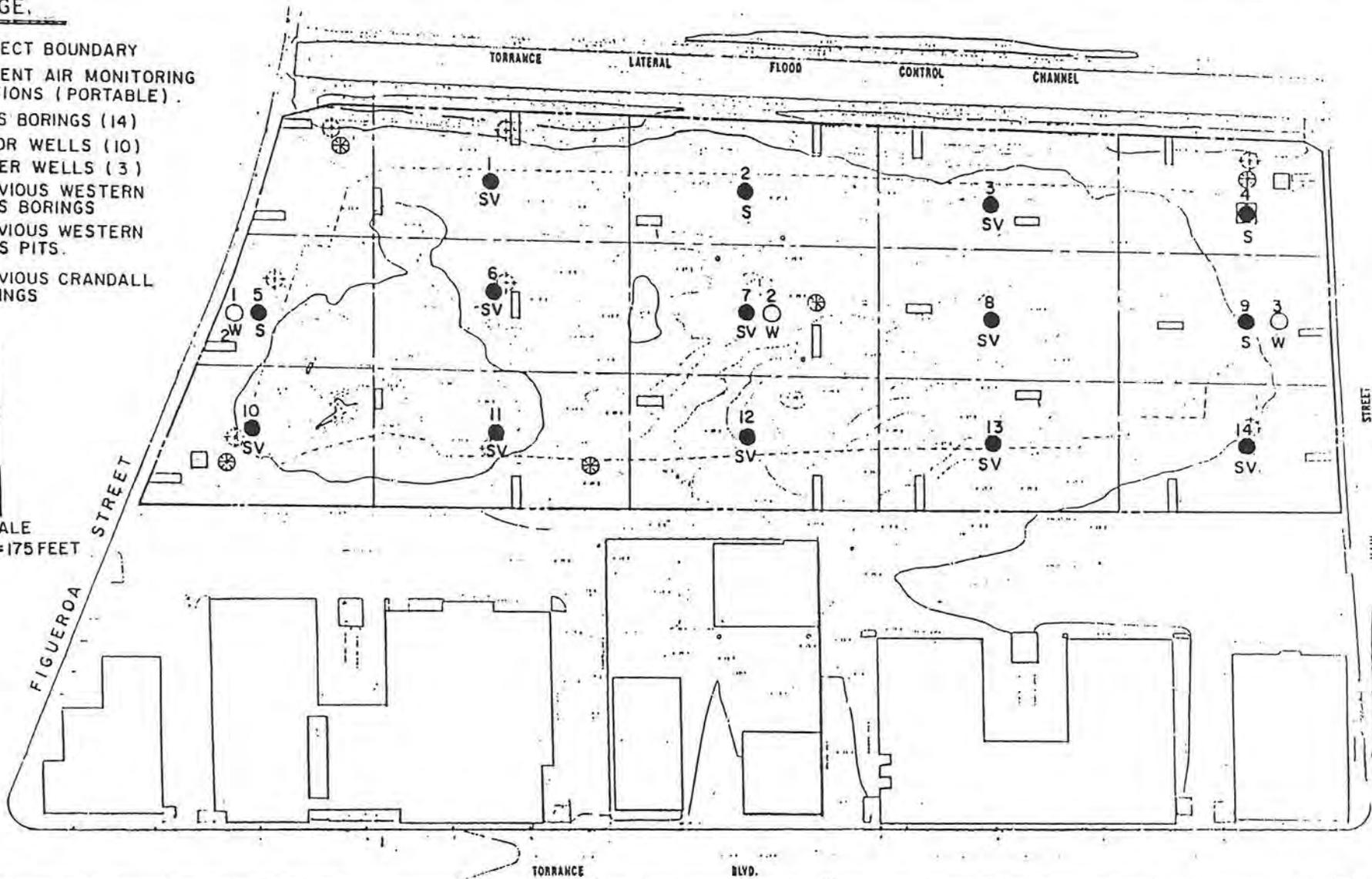
The analytical results were used by BCL to assess the presence of hazardous wastes as specified in the California Administrative Code (CAC) Title 22, Division 4, Chapter 30, Article II. The BCL evaluation summary indicated that the site did not contain hazardous waste, with the exception of slightly elevated 4,4-DDT concentrations in surface soils at the northwest corner of the property.

- o **Groundwater** - Three (3) four-inch groundwater monitoring wells were constructed (Figure 2-1) to the shallow saturated zone (95 to 116 feet). Analyses indicated that samples "did not contain significant levels of any of the metals or organic compounds analyzed." This conclusion was based upon the following 1985 standards:
- EPA Maximum Contaminant Limits.
 - EPA Recommended Maximum Contaminant Limits.
 - CA DHS Action Levels.
 - Health Advisories (or Suggested Non-Adverse Response Levels; SNARLs) developed by EPA and the National Academy of Science.
 - EPA National Ambient Water Quality Criteria (NAWQC).

LEGE.

- PROJECT BOUNDARY
- AMBIENT AIR MONITORING STATIONS (PORTABLE)
- S SOILS BORINGS (14)
- V VAPOR WELLS (10)
- W WATER WELLS (3)
- ⊗ PREVIOUS WESTERN LABS BORINGS
- ▭ PREVIOUS WESTERN LABS PITS
- ⊕ PREVIOUS CRANDALL BORINGS

N
SCALE
1 INCH = 175 FEET



NOTES : PREVIOUS BORINGS AND TEST PITS APPEAR UNSHADED WITHOUT NUMBERS
ALL WELL LOCATIONS ARE APPROXIMATE

FIGURE 2 - 1



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CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GARDENA VALLEY 1 & 2

**LOCATIONS OF BORINGS AND WELLS
PLACED BY BCL ASSOCIATES**

JOB NO.
90102 - 8100

DATE
3-1991

DRAWN BY:
JCH

CHECKED BY:
GG

2.4 "PHASE II GROUNDWATER SAMPLING", NOVEMBER 26, 1985 BY BCL ASSOCIATES, PRESENTED AS APPENDIX H TO A LETTER DATED JANUARY 27, 1986, FROM ROBERT L. LITZENBERG, PRESIDENT, BCL ASSOCIATES TO MR. ALLEN K. WOLFENDEN OF CA DHS.

2.4.1 GENERAL SUMMARY

This was a resampling, required by DHS, of the three groundwater wells originally sampled by BCL (Figure 3-1). The purpose of the resampling was to analyze water samples from the site for the U.S. EPA priority pollutant volatile organic compounds, 2-chlorophenol, phenol, 2,4,6-trichlorophenol, phthalates, and zinc. Sampling occurred on November 26, and 27, 1985.

2.4.2 SIGNIFICANT RESULTS

- o Wells GW-1, 2, and 3 had recorded benzene levels equal to or higher than the CAL OSHA action level standard for drinking water (0.7 parts per billion (ppb)). The levels measured were 0.7 ppb, 28 ppb, and 30 ppb, respectively;
- o Well 2 had a recorded 2,4,6-Trichlorophenol concentration of 26 ppb, which was above the EPA NAWQC limits; and,
- o None of the other contaminants investigated exceeded these standards in any of the sampled wells.

2.5 "SWAT PROPOSAL FOR THE FORMER GARDENA VALLEY 1 & 2 LANDFILL", DECEMBER 4, 1987, BY BAS

2.5.1 GENERAL SUMMARY

- o The SWAT proposal was prepared in response to the Regional Water Quality Control Board's requirements for Solid Waste Assessment Tests at all landfill sites;

- o The objective of the proposal was to detect an immediate release of the subject site to groundwater or within the vadose zone; and,
- o The proposal was approved on April 7, 1988.

2.6 "SOLID WASTE WATER QUALITY ASSESSMENT TEST (SWAT) REPORT" FOR GARDENA VALLEY 1 & 2 LANDFILL", BAS, JUNE 30, 1988

2.6.1 GENERAL SUMMARY

- o Implementation of the proposal was hindered due to the inaccessibility of the northern property in placing an upgradient well. The State Water Resources Control Board Legal Counsel finally intervened to obtain access in November 1988.

The SWAT Report for the site was due on June 30, 1988. Although work had not been performed, the RWQCB requested that a report be submitted containing only background material. Future work is to be submitted as an addendum

- o During negotiations with the northern property owners the SWAT proposal was revised on October 11, 1988. The final proposal consists of one upgradient and three downgradient monitoring wells screened at first significant water (semi-perched zone). Three lysimeters will also be installed to monitor the vadose zone. The installation and sampling of the lysimeters and groundwater wells are included in the Sampling Plan, Appendix A of this work plan.
- o Two of the groundwater wells were installed prior to initiation of the RI. These wells are GW-5a and 6a. Soil samples were collected at 10-foot, 30-foot, and 50-foot depths. The analyses performed included EPA Methods 8240, 8080 and CCR Metals. No compounds included in the EPA Method 8240 and EPA Method 8080 were detected. The samples were collected at 5-foot intervals using a split spoon sampler.
- o The remaining work was performed as part of this RI.

3.0 GEOLOGICAL AND HYDROGEOLOGICAL FIELD PROGRAM

3.1 OBJECTIVE

The objective of this investigation has been to characterize the geology, hydrogeology, and chemistry of the subsurface at the Gardena Valley 1 & 2 Landfill. This has been accomplished: 1) by drilling additional borings in and around the site and analyzing selected soil samples from these borings for chemistry and lithology, 2) by installing and sampling vapor wells in the onsite fill and analyzing these samples in order to characterize landfill gases, 3) by completing three groundwater monitoring well clusters (groups of closely spaced wells monitoring different depth intervals) and six individual wells at locations surrounding the site, 4) by monitoring water samples from several of these wells for chemical constituents, 5) by performing slug tests at each of the three monitoring well clusters to determine the hydraulic properties of shallow hydrogeologic units beneath the site including the upper Gage Aquifer, and 6) by measuring water levels at each of the wells onsite and additional wells surrounding the site in order to evaluate the horizontal and vertical components of groundwater flow beneath the site.

3.2 PLANS AND MANAGEMENT

In order to comply with a consent agreement issued by the Department of Toxic Substances Control (DTSC) on April 18, 1989, **Bryan A. Stirrat & Associates (BAS)** submitted a final work plan in December 1989 that included this field investigation. Subsequent field investigations were deemed necessary, and agreed upon by DTSC, to address preliminary data deficiencies. The original planned field investigation included the construction, sampling, and hydraulic testing of eight monitoring wells in three monitoring well clusters on the perimeter of the waste fill area to monitor the Bellflower Aquiclude (Bellflower). The plan also included the construction of four vapor/leachate wells, the drilling of four exploratory soil borings in the waste fill area, and the abandonment of three existing monitoring wells in the Gage Aquifer. This field

investigation along with the findings and further recommendations are reported in the April 1990 Interim Report (BAS, 1990). The additional investigation conducted included the drilling and installation of nine groundwater monitoring wells. Three of these included one at each well cluster to monitor the Gage Aquifer, and six isolated wells to monitor the upper Bellflower. The procedures for drilling the borings for the three Gage wells were outlined in a letter to the DTSC dated October 18, 1990. In order to fully characterize the potentiometric surface of the Upper Bellflower Aquifer, several existing wells outside the immediate site area were also used to monitor the groundwater elevations. Except where noted, field activities were carried out in accordance with procedures outlined in the work plan and the October 18, 1990, letter. Watkins-Johnson Environmental, Inc. (WJE), formerly R. L. Stollar & Associates (RLSA), was retained by BAS to supervise drilling and well construction activities, to perform hydraulic testing, and to prepare the geologic and hydrogeologic portions of this report.

3.3 DRILLING PROCEDURES

The DTSC, after reviewing the initial work plan, required that one borehole be drilled using continuous coring methods at each of the three groundwater monitoring well cluster locations. Three boreholes, CH-4, CH-6, and CH-7, were drilled using a 5 1/8-inch outside diameter (OD), 94-millimeter Christiansen coring rig. CH-4, -6, and -7 were drilled to depths of 107 feet, 93 feet, and 98.7 feet below ground surface (BGS), respectively. During this initial phase of the investigation, the DTSC did not want these boreholes to significantly penetrate the Gage Aquifer which was believed to be present under the site. Therefore, the continuously cored boreholes were terminated as soon as the unit thought to be the Gage Aquifer was encountered in the cores. All of the boring locations are shown in Figure 3-1. Borings CH-4, -6, and -7 were grouted from the total depth to the ground surface with volclay grout.

DEL AMO BLVD.

GW-1C ⊕ ⊕ GW-1B
(-19.3' to -29.3')

CH-7 ⊕
GW-7A (-20.8' to -30.8')
GW-7C (-60.2' to 64.8')
GW-7D (-79.8' to -89.3')
GW-7B (-37.6' to -42.2')

REBEL STORAGE

EXPLANATION

- CH-4 ⊕ LOCATION OF CORE HOLE
- GW-4A ⊕ GROUND-WATER MONITORING WELL
- MW-14 ⊕ GOLDEN EAGLE GROUND-WATER MONITORING WELL
- GW-1B ⊕ CAL COMPACT GROUND-WATER MONITORING WELL
- SB-4 ⊕ SOIL/TRASH BORING
- VW-4 △ VAPOR WELL
- SV-13 ◇ SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION)
- (-70.1' to -91.1')
- LOCATION OF CROSS SECTION

A A'

GW-13A ⊕
(-21.62 to -31.80)

GW-10A ⊕
(-20.9 to -30.9)

GW-1 ⊕
(-67.4' to -88.4')

SB-3 ⊕ GW-2 ⊕
(-65.1' to -86.1')

GW-3 ⊕
(-70.1' to -91.1')

GW-11A ⊕
(-21.3 to -31.1)

GW-6C ⊕
(-53.7' to -58.7')

GW-6A ⊕
(-26.0' to -41')

GW-6D ⊕
(-79.7' to -89.2')

GW-5A ⊕
(-23.8' to -33.8')

GW-4A ⊕
(25.9' to -35.7')

GW-4C ⊕
(-62.9' to -67.4')

GW-4D ⊕
(-80.7' to -90.7')

GW-4B ⊕
(-45.1' to -49.6')

GW-12A ⊕
(-16.79 to -26.79)

FIGUEROA ST.

MAIN ST.

0 150 300 FEET

TORRANCE BLVD.

GW-9A ⊕
(-21.6' to -31.6')

MW-15

MW-14

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BRYAN A. STIRRAAT & ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERS
1380 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

(714) 830-7777

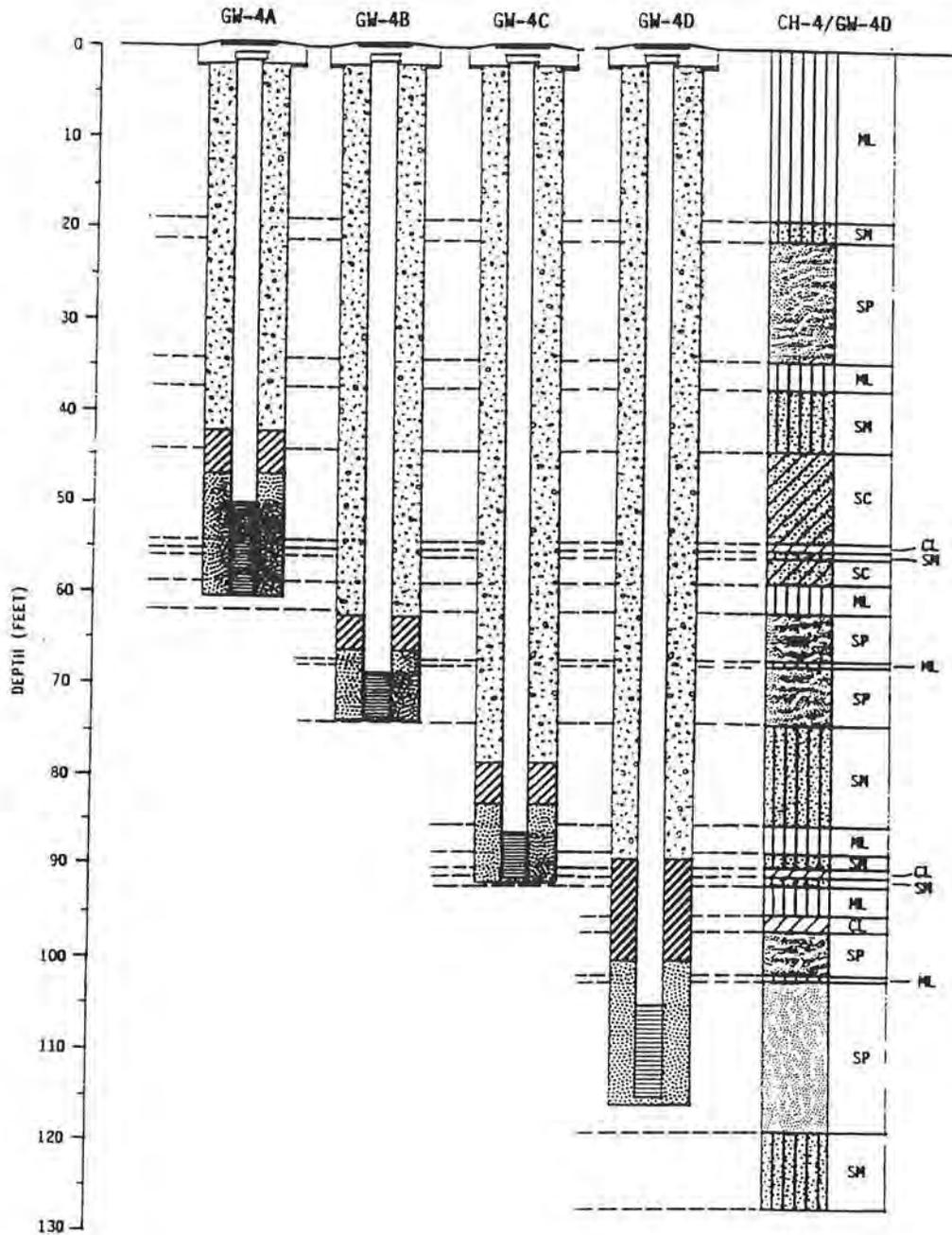
SITE PLAN SHOWING
WELL AND CROSS SECTION LOCATIONS
GARDENA VALLEY 1 & 2 LANDFILL

FIGURE 3-1

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| DATE |
| DRAWN BY: |
| CHECKED BY: |

It was the original goal of the investigation to construct well clusters so that one well would be screened in the upper zone (A), middle zone (B), and lower zone (C) within the Bellflower at each of three locations surrounding the site. A shallow well (GW-6A) already existed at one of these three locations. Therefore, only eight additional wells were required. One of these planned wells, GW-6B, was not installed because there was insufficient vertical distance between the screened intervals of GW-6A and -6C to isolate the "B" zone. In addition, one well screened in the upper zone had been previously installed at a fourth location (GW-5A). Because of the complicated geometry of the water-table surface in the upper Bellflower as determined from water levels in the initial wells screened in this interval (GW-4A, -5A, -6A, and -7A), six additional wells (GW-8A, -9A, -10A, -11A, -12A, and -13A) were required to further characterize the hydrogeology of the upper Bellflower. Upper zone wells GW-4A and -7A were drilled using 10 7/8-inch OD hollow-stem augers. Upper zone wells GW-8A, -9A, -10A, -11A, -12A, and -13A were drilled using 8-inch OD hollow-stem augers. All of the borings for the middle and lower zone wells (GW-4B, -4C, -6C, -7B, and -7C) were drilled using a dual-wall reverse circulation percussion hammer rig with a 10 7/8-inch OD outer casing and an 8-inch inside diameter (ID) inner casing. The total depths of each boring are shown in the well design and lithology diagrams (Figures 3-2 through 3-7).

In order to confirm the absence of Benzene in the Gage Aquifer beneath the site, DTSC required that three additional wells be installed in the Gage (GW-4D, -6D, and -7D). The borings for these wells were drilled to depths up to 119 feet BGS. The boring for Well GW-4D was drilled using a mud rotary drilling rig with a 10-inch tri-cone bit. Two previous unsuccessful attempts were made to install a well at this location with a hollow-stem auger rig. The attempts failed due to flowing sand problems that inhibited proper well construction. The borings for wells GW-6D and -7D were also drilled with a mud rotary drilling rig utilizing the Christiansen 94-millimeter system to drill a pilot hole and a 10-inch tri-cone bit to complete the wells. The total depths of each boring are shown in the well design and lithology diagrams (Figures 3-2 through 3-4).



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK

- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-2



[714] 860-7777

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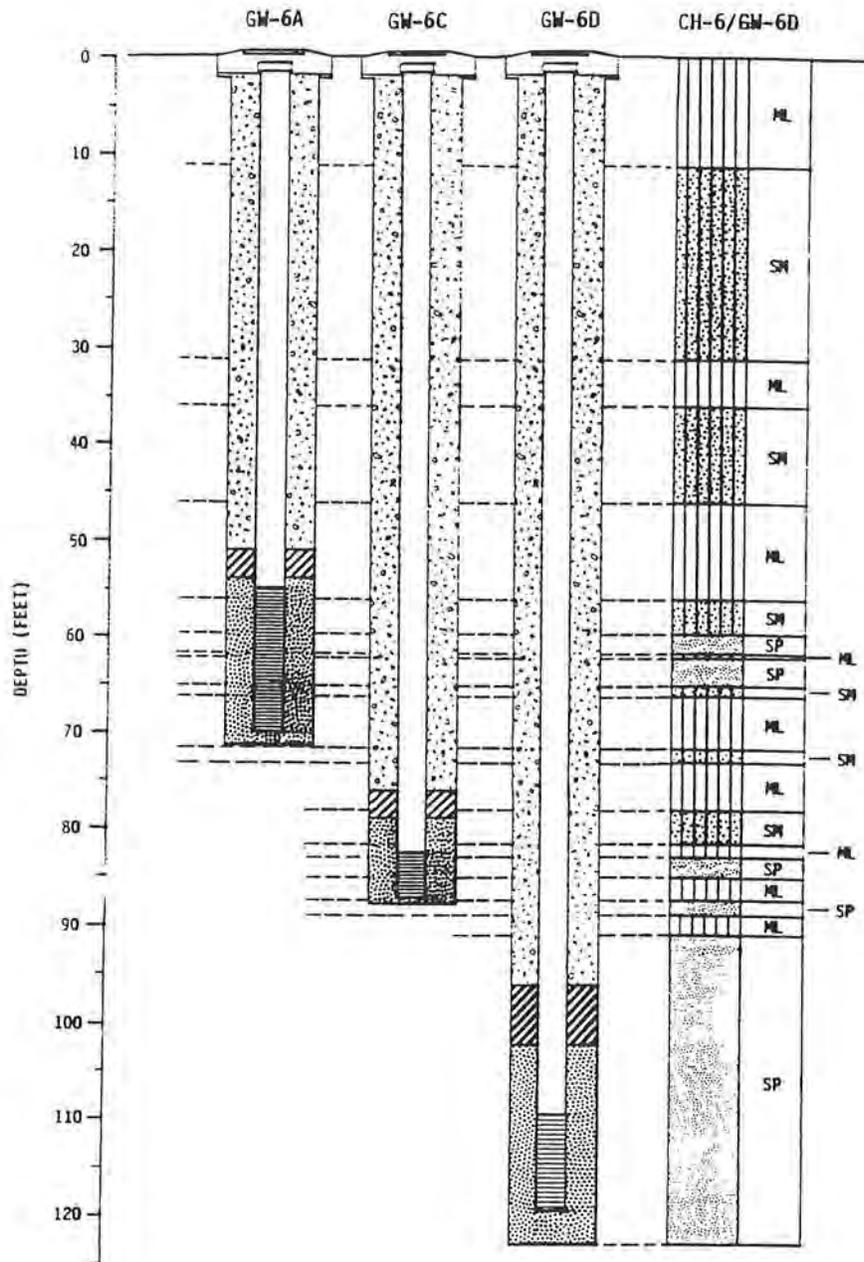
WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-4A, GW-4B, GW-4C AND GW-4D

JOB NO.

DATE

DRAWN BY:

CHECKED BY:



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SILT (ML)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK

- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-3



(714) 860-7777

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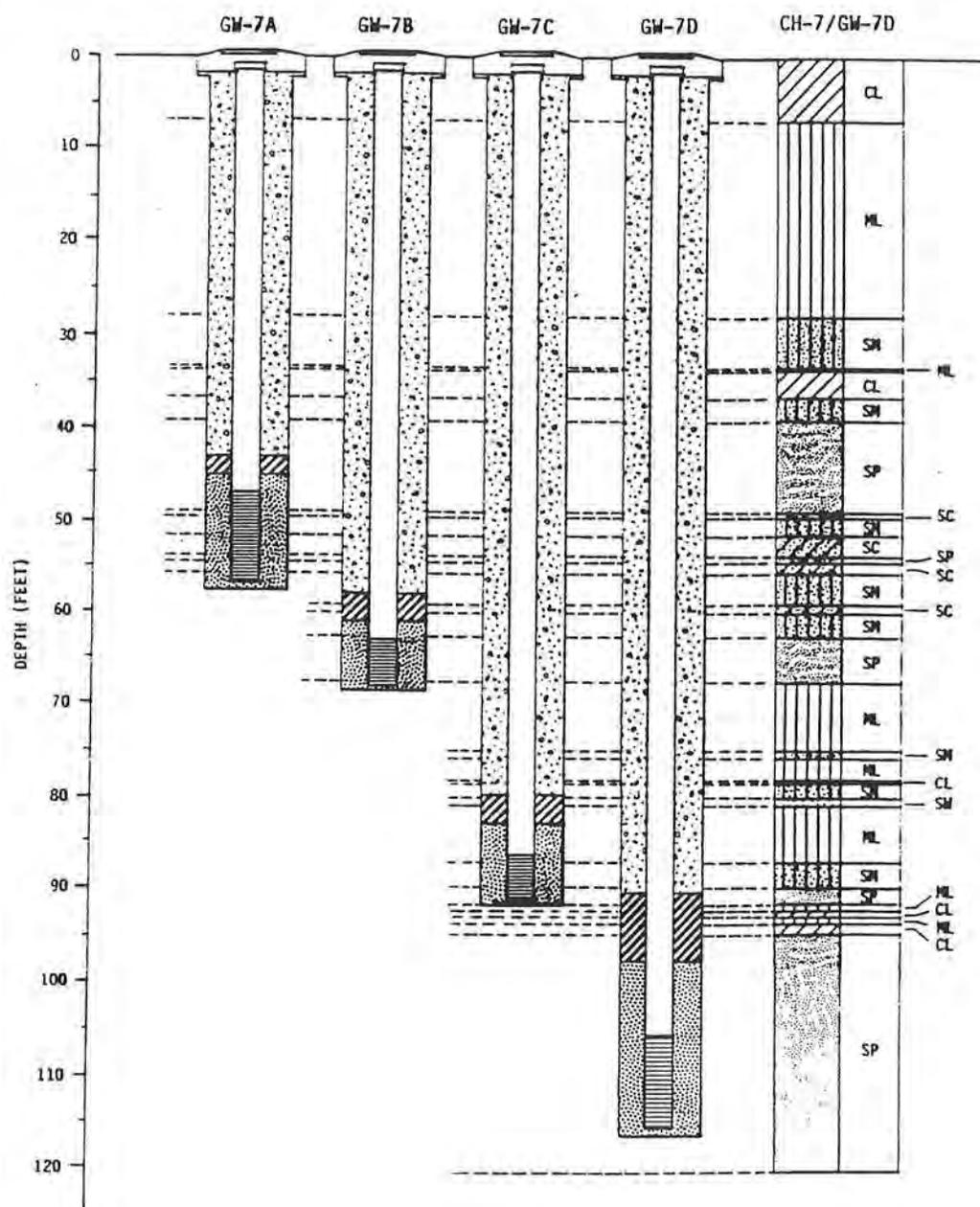
WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-6A, GW-6C AND GW-6D

JOB NO.

DATE

DRAWN BY:

CHECKED BY:



KEY FOR LITHOLOGY

-  SAND, POORLY GRADED (SP)
-  SAND, SILTY (SM)
-  SAND, CLAYEY (SC)
-  SILT (ML)
-  CLAY (CL)

KEY FOR WELL DESIGN

-  GROUT
-  BENTONITE SEAL
-  FILTER PACK
-  LOCKING PROTECTIVE CAP AND CHRISTY BOX
-  PVC BLANK
-  10 SLOT SCREEN

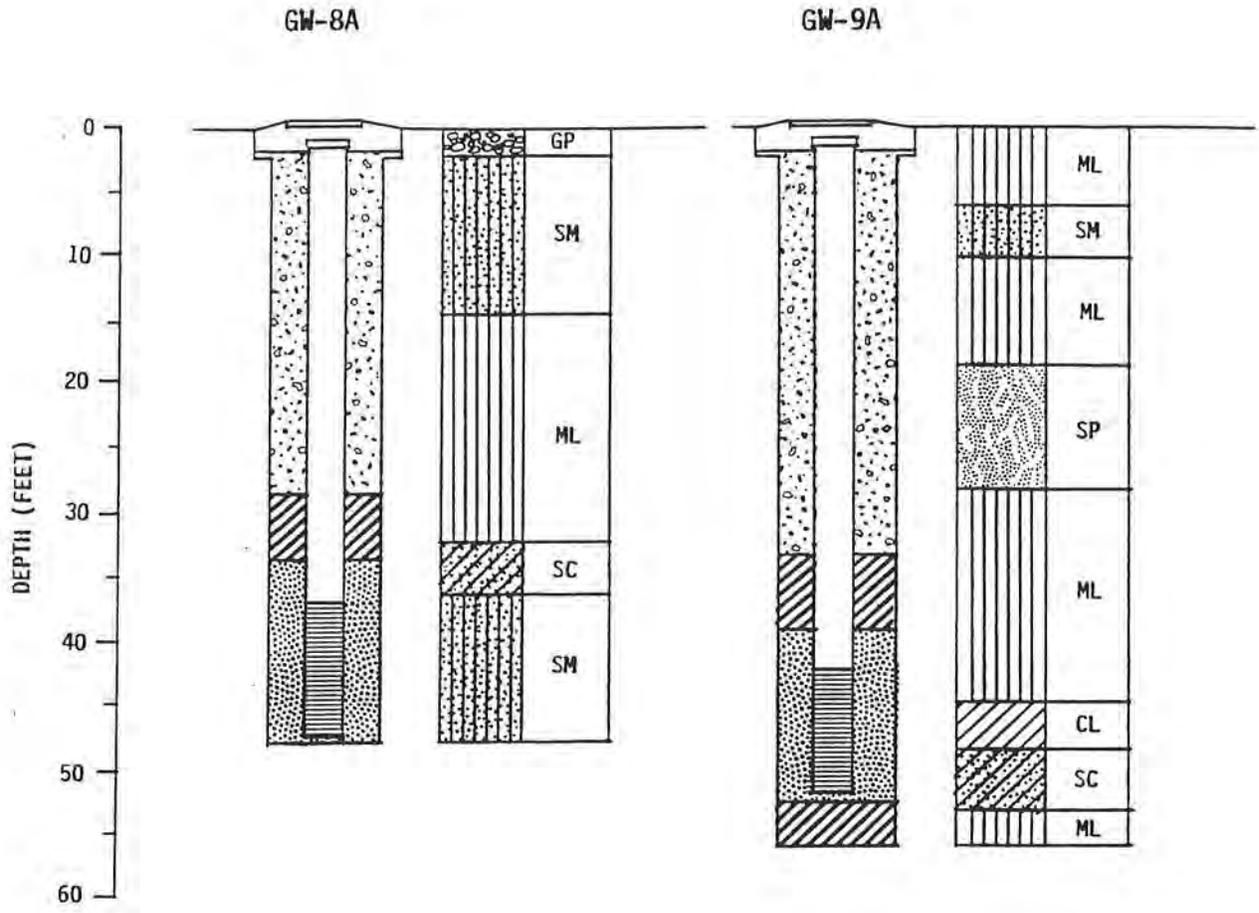
FIGURE 3-4

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**WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-7A, GW-7B, GW-7C AND GW-7D**

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| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



KEY FOR LITHOLOGY

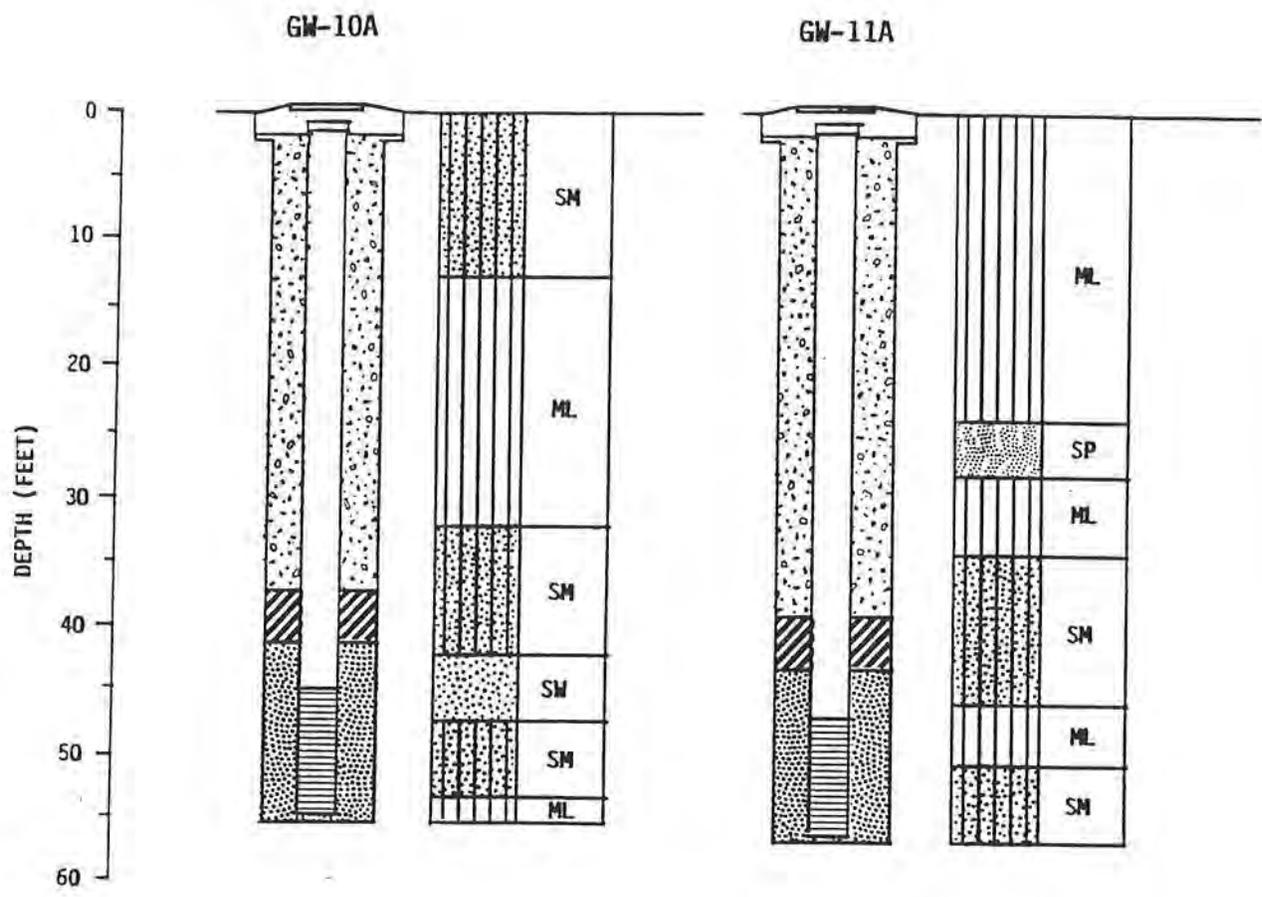
- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)
- GRAVEL, POORLY GRADED (GP)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK
- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-5

| |
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| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, WELL GRADED (SW)
- SAND, SILTY (SM)
- SILT (ML)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK
- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-6



(714) 860-7777

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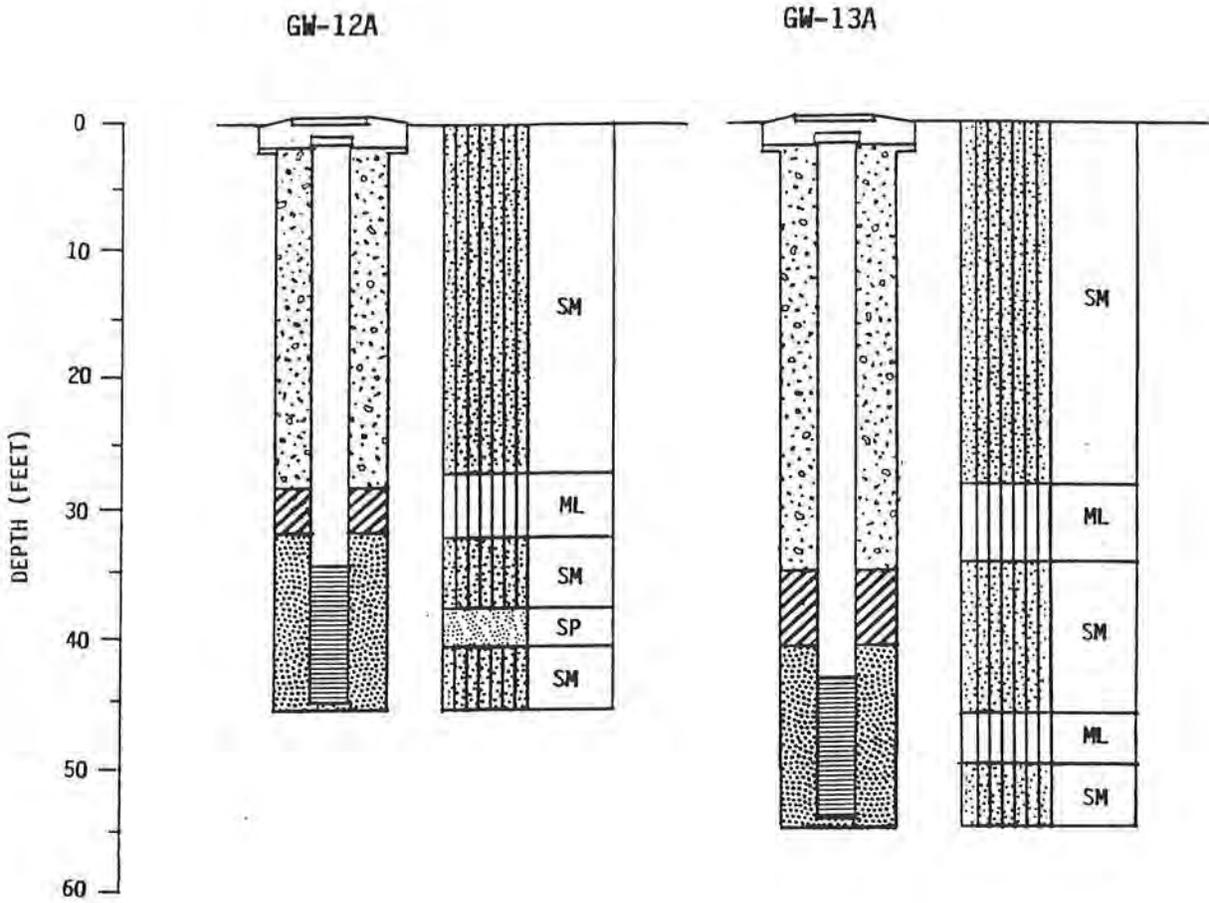
**WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-10A AND GW-11A**

JOB NO.

DATE

DRAWN BY:

CHECKED BY:



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SILT (ML)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK
- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-7



[714] 860-7777

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WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-12A AND GW-13A

| |
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| CHECKED BY: |

Eight shallow borings (VW-1, -2, -3, -4 and SB-1, -2, -3, -4) were drilled within the waste fill area. These borings were drilled using an air rotary drilling rig with a casing hammer that drove 6.5-inch OD, 6-inch ID mild steel casing as drilling progressed. The casing joints were connected with a specially designed compression coupling. The borings that were used for vapor wells (VW-1, -2, -3, -4) were drilled through trash into the underlying native soil about 5 feet. The four borings (SB-1, -2, -3, -4) drilled for waste characterization only were drilled through trash into the native soil approximately 2 feet. The waste characterization borings were abandoned by backfilling with bentonite and leaving the casing in place. The bottom 5 feet of the vapor wells were backfilled with bentonite and the casing was perforated to complete the well.

Drill pipe, casing, bits, and augers were steam cleaned prior to the drilling of each boring during this investigation. Cuttings from all borings were stored in bins or covered drums until analytical results could dictate proper disposition.

3.4 SOIL SAMPLING

Continuous undisturbed samples were collected from boreholes CH-4, -6, and -7 using a decontaminated 2-inch ID by 5-foot split spoon sampler. The sampler was locked into the drill string and extended approximately 3 inches below the hollow drill bit. Undisturbed material intruded the sampler as drilling progressed. The sampler was then retrieved by wire line and the cores were placed in labeled core boxes. The ideal sample core was 5 feet long, but 2-foot intervals were often taken if full sample recovery was not obtained. The same method was used to collect continuous samples for Wells GW-6D and -7D, from approximately 10 feet above the total depth of the adjacent boreholes, CH-6 and CH-7, to the total depths of the GW-6D and GW-7D borings. These borings were only sampled in this lower interval due to the existing knowledge of the Bellflower lithology at each well cluster. The boring for GW-4D was sampled with a split-spoon drive sampler at 5-foot intervals to total depth. Field boring logs for borings continuously cored for soil characterization only are included in Appendix A1. Field logs for borings drilled for the purpose of groundwater well installation are included in Appendix A2.

When drilling the boreholes for the middle and lower zone monitoring wells (GW-4B, -4C, -7B, -7C, and -6C), cuttings discharged from a cyclone separator were monitored continuously. Drill cutting samples were taken at 5-foot intervals and stored in labeled zip-lock bags for documentation and description.

Borings for the upper zone groundwater monitoring wells (GW-4A, -7A, -8A, -9A, -10A, -11A, -12A and 13A) were sampled for lithological characterization at 5-foot intervals with a standard 2-inch ID by 18-inch split-spoon sampler. A 140 pound in-hole hammer with a 30-inch drop was used to drive the sampler into undisturbed material ahead of the drill string. Sampling devices were washed with a mixture of Alconox and water, and rinsed with potable water before obtaining each sample.

Cuttings from borings drilled through the trash (VW-1, -2, -3, -4 and SB-1, -2, -3, -4) were monitored continuously as they were being ejected from a cyclone separator. Samples from the cyclone were taken every 5 feet and stored in zip-lock bags for documentation purposes. An undisturbed drive sample was taken approximately 2 to 3 feet beneath the fill in the SB-borings and approximately 5 feet beneath the fill in the vapor well borings, with the exception of VW-2. The decision to sample the base of the vapor wells was made after the completion of VW-2. The preferred method of sampling was to drive a 3-inch OD by 3-foot long, thin walled metal tube (Shelby tube) into the soil. This method was attempted at SB-2, but the Shelby tube was lost down the boring due to the compacted nature of the strata. A sample was obtained from this boring using a standard 2-inch OD by 18-inch split spoon sampler. The unretrieved Shelby tube made it extremely difficult to sample. In order to ensure that a sample would be collected from each boring, the remaining samples beneath the landfill refuse were taken with a standard split spoon sampler. Field logs for the borings drilled during this investigation for the purpose of groundwater monitoring well installation, vapor well installation, and waste characterization are included in Appendix A2.

3.5 WELL CONSTRUCTION

The groundwater monitoring well clusters were constructed to characterize the groundwater chemistry and hydraulic properties of the upper, middle, and lower zones within the Bellflower, and the upper portion of the Gage Aquifer. Discreet targeted screen zones were picked by analyzing the lithology of the previously drilled continuously cored borings. During drilling of each boring, drill cuttings samples were described and lithology was confirmed before positioning screens. During drilling operations for each well, drilling was stopped and well construction commenced when the target lithologic unit was encountered. The lower zone wells (GW-4C, -6C, and -7C) were screened in the most permeable units that were present just above the base of the Bellflower. The middle zone wells (GW-4B and -7B) were screened in the most permeable units found between the A and C wells and were separated from the A wells by lower permeability units. The upper zone wells (GW-4A, -7A, -8A, -9A, -10A, -11A, -12A, and -13A) were screened to monitor the groundwater at the water table regardless of the lithology. The Gage wells (GW-4D, GW-6D, and GW-7D) were screened below the base of the Bellflower in the upper portion of the Gage Aquifer. The screen and filter pack intervals of the wells at each cluster did not overlap. Well design and lithology diagrams for the monitoring well clusters are shown in Figures 3-2 through 3-7. Detailed field well construction diagrams for each monitoring well are given in Appendix A3.

Four-inch ID schedule 40 blank PVC well casing and 316 stainless steel, 10 slot (0.010 inch) continuous wire wrap well screens were used to construct Wells GW-4A, -4B, -4C, -4D, -6A, -6C, -6D, -7A, -7B, -7C, and -7D. Wells GW-8A, -9A, -10A, -11A, -12A, and -13A used the same type of material but have a 2-inch ID. The screen slot was chosen to ensure that no less than 90 percent of the filter pack material would be retained.

Wells GW-4A, -7A, -8A, -9A, -10A, -11A, -12A, and -13A were constructed so the well screen extended 5 feet above and 5 feet below the first water encountered while drilling. Wells GW-4B, -4C, -6C, -7B, and -7C were constructed with 5-foot long well screens. Ten-foot long well screens were used for wells GW-4D, -6D, and -7D. All joints were flush threaded and no solvents or cements were used. All pipe and screen were steam cleaned prior to installation.

Wells GW-4A, -7A, -8A, -9A, -10A, -11A, -12A, and -13A were constructed inside the hollow-stem augers. GW-4B, -4C, -6C, -7B, and -7C were constructed inside the dual tube drill pipe. The well casing was suspended approximately 4 inches off the bottom of the borehole during construction.

Sieve analyses were conducted on CH-4, -6, and -7 samples from each targeted screen zone. The results of these sieve analyses are included in Appendix A6. Filter packs consisting of properly graded silica sand were placed in the annular space at the well screens and a minimum of 2 feet above the screens. A bentonite seal, at least 3 feet thick, was placed above the filter pack in each well and the remaining annular space was filled with grout. Frequent measurements with a well sounding tape were made during the placement of materials to ensure that proper amounts of material were used and that seals were properly located to avoid cross-contamination.

The grout used to finish the wells consisted of Volclay grout, Bentonite chips, or neat Portland cement modified with bentonite to reduce shrinkage. The ratio of cement to bentonite was approximately 20:1 on a weight basis. A maximum of ten gallons of water was used for each 94-pound sack of Portland cement. The bentonite was added before the Portland cement was mixed, and care was taken to ensure that the mixture was free of lumps. The grout was emplaced using a 2-inch tremmie pipe.

Because the wells were completed in traffic areas, the well heads were established below grade. The well installation was enclosed by a Crusty box completed slightly above grade to prevent localized ponding at each well head. Detailed well construction diagrams for each monitoring well are given in Appendix A3. A summary of all monitoring well construction details is given in Table 3-1.

Vapor wells VW-1, -2, -3, and -4 were constructed by filling the bottom 5 feet of the cased borehole with bentonite chips which were hydrated with deionized water. The mild steel well casing was then perforated at an interval approximately 10 feet below ground surface to approximately 5 feet above the bottom of the trash. A 1-foot wide by 18-inch deep trench was dug around the top of the well casing and backfilled with bentonite chips. Well construction summaries for all vapor wells are included in Appendix A3. A summary of all vapor well construction details is given in Table 3-1.

All vapor well heads were fabricated of stainless steel. Each well head is equipped with stainless steel fixtures for vapor sampling. Each well head also has a capped 2-inch opening for liquid level measurements and liquid sampling, if necessary. The well heads, which have 6.5-inch outside diameters (vapor well casing diameter is also 6.5 inches) are butted end to end with the well casings and secured with 6.5-inch inside diameter Dresser couplings.

3.6 WELL DEVELOPMENT

Groundwater monitoring wells constructed for the Remedial Investigation were developed utilizing a mobile development rig (Monitor M-34) equipped with a 20,000 pound hoist designed for well development utilizing surge tools, bailers, and submersible pumps for 4-inch wells.

Development was accomplished by bailing the wells with a 3-inch diameter by 16-foot long steel bailer to remove silt and fine sand from the interior of the screen. After most of the silt and fine sand were removed by bailing, the wells were surged using a steel surge block for approximately 30-minutes to agitate the water column within the screened interval and to displace fine material in the

TABLE 3-1
WELL CONSTRUCTION SUMMARY DATA
GARDENA VALLEY 1 & 2 LANDFILL

| WELL NO. | AQUIFER OR UNIT SCREENED | DATE COMPLETED | DEPTH DRILLED (FEET) | DEPTH COMPLETED (FEET) | DEPTH OF SCREENED INTERVAL (FEET) | BENTONITE SEAL INTERVAL (FEET) | GRAVEL PACK INTERVAL (FEET) | GRAVEL PACK GRAINSIZE | ELEVATION OF TOP OF CASING (MSL, FEET) | CASING SCHEDULE/ MATERIAL | SCREEN SLOT SIZE (INCHES)/ MATERIAL | CASING ID (1) (INCHES) | BOREHOLE DIAMETER (INCHES) | CONSTRUCTION SUPERVISOR |
|----------|--------------------------|------------------------------|----------------------|------------------------|-----------------------------------|--------------------------------|-----------------------------|-----------------------|--|---------------------------|-------------------------------------|------------------------|----------------------------|-------------------------|
| GW-1 | Gage | 2/4/85 (Abandoned 10/90) | 150 | 116 | 95-116 | 80-85 | 85-120 | #3MS (2) | 30.134 | Black Iron | 0.030/ Black Iron | 4 | 8.5 | BCL (5) |
| GW-2 | Gage | 4/11/85 (Abandoned 10/90) | 120 | 116 | 95-116 | 80-85 | 85-120 | #3MS | 30.914 | Black Iron | 0.030/ Black Iron | 4 | 8.5 | BCL |
| GW-3 | Gage | 4/12/85 (Abandoned 10/90) | 120 | 116 | 95-116 | 80-85 | 85-120 | #3MS | 25.953 | 40/PVC Black Iron | 0.030/ Black Iron | 4 | 8.5 | BCL |
| GW-4A | Upper Bellflower | 2/5/90 | 60.2 | 60.05 | 50.2-59.95 | 42-46.7 | 46.7-60.2 | ICLS (3) | 23.858 | 40/PVC | 0.010/SS (4) | 4 | 10-7/8 | WJE (6) |
| GW-4B | Middle Bellflower | 1/24/90 | 74 | 73.5 | 69-73.5 | 62.5-65.8 | 65.8-74 | 2 x 16 LS | 23.178 | 40/PVC | 0.010/SS | 4 | 10-7/8 | WJE |
| GW-4C | Lower Bellflower | 1/19/90 | 91.7 | 91 | 86.3-90.8 | 78.4-83 | 83-91.7 | 2 x 12 LS | 23.654 | 40/PVC | 0.010/SS | 4 | 10-7/8 | WJE |
| GW-4D | Gage | 7/14/90 | 115 | 115 | 104.5-114.5 | 88-99 | 99-115 | 2 x 16 LS | 23.26 | 40/PVC | 0.010/SS | 4 | 10 | WJE |
| GW-5A | Upper Bellflower | 1/11/89 | 60 | 59 | 49-59 | 41-47 | 47-60 | 20/40 | 24.571 | 40/PVC | 0.010/PVC | 4 | 11 | M&T (7) |
| GW-6A | Upper/Middle Bellflower | 1/11/89 | 71 | 70 | 55-70 | 50-53 | 53-71 | 20/40 | 28.456 | 40/PVC | 0.010/PVC | 4 | 11 | M & T |
| GW-6C | Lower Bellflower | 1/30/90 | 87.9 | 87.6 | 82.5-87.5 | 76.2-79.2 | 79.2-87.9 | ICLS | 28.056 | 40/PVC | 0.010/SS | 4 | 10-7/8 | WJE |
| GW-6D | Gage | 11/6/90 | 122.6 | 119 | 109.1-118.7 | 95.5-102 | 102-122.6 | 2 x 16 LS | 28.20 | 40/PVC | 0.010/SS | 4 | 10 | WJE |
| GW-7A | Upper Bellflower | 2/6/90 | 57.6 | 57.5 | 47-57 | 41-44 | 44-57.6 | ICLS | 25.663 | 40/PVC | 0.010/SS | 4 | 10-7/8 | WJE |
| GW-7B | Middle Bellflower | 2/1/90 | 68.4 | 68.2 | 63.5-68.1 | 57.9-60.8 | 60.8-68.4 | ICLS | 25.186 | 40/PVC | 0.010/SS | 4 | 10-7/8 | WJE |
| GW-7C | Lower Bellflower | 1/26/90 | 91.3 | 91 | 86.3-90.9 | 79.5-82.5 | 82.5-91.3 | ICLS | 25.458 | 40/PVC | 0.010/SS | 4 | 10-7/8 | WJE |

**TABLE 3-1
WELL CONSTRUCTION SUMMARY DATA
GARDENA VALLEY 1 & 2 LANDFILL**

| WELL NO. | AQUIFER OR UNIT SCREENED | DATE COMPLETED | DEPTH DRILLED (FEET) | DEPTH COMPLETED (FEET) | DEPTH OF SCREENED INTERVAL (FEET) | BENTONITE SEAL INTERVAL (FEET) | GRAVEL PACK INTERVAL (FEET) | GRAVEL PACK GRAINSIZE | ELEVATION OF TOP OF CASING (MSL, FEET) | CASING SCHEDULE/MATERIAL | SCREEN SLOT SIZE (INCHES)/MATERIAL | CASING ID (1) (INCHES) | BOREHOLE DIAMETER (INCHES) | CONSTRUCTION SUPERVISOR |
|----------|--------------------------|----------------|----------------------|------------------------|-----------------------------------|--------------------------------|-----------------------------|-----------------------|--|--------------------------|------------------------------------|------------------------|----------------------------|-------------------------|
| GW-7D | Gage | 12/5/90 | 120 | 115 | 105-114.5 | 89.4-97 | 97-116 | 2 x 16 LS | 25.417 | 40/PVC | 0.010/SS | 4 | 10 | WJE |
| GW-8A | Upper Bellflower | 7/9/90 | 48 | 47.5 | 37.5-47.5 | 29-34 | 34-48 | ICLS | 18.641 | 40/PVC | 0.010/SS | 2 | 8 | WJE |
| GW-9A | Upper Bellflower | 7/2/90 | 56 | 54 | 44-54 | 37-41 | 41-54.9 | ICLS | 21.897 | 40/PVC | 0.010/SS | 2 | 8 | WJE |
| GW-10A | Upper Bellflower | 11/2/90 | 55.3 | 54.4 | 44.6-54.4 | 37-40.9 | 40.9-55.3 | ICLS | 23.596 | 40/PVC | 0.010/SS | 2 | 8 | WJE |
| GW-11A | Upper Bellflower | 1/16/91 | 57 | 56.6 | 46.6-56.4 | 39-43 | 43-57 | ICLS | 25.258 | 40/PVC | 0.010/SS | 2 | 8 | WJE |
| GW-12A | Upper Bellflower | 8/29/91 | 46.7 | 46.5 | 36.1-46.1 | 28.5-32.5 | 32.5-46.7 | ICLS | 19.710 | 40/PVC | 0.010/SS | 2 | 8 | WJE |
| GW-13A | Upper Bellflower | 1/31/92 | 55.6 | 55.6 | 45.6-55.6 | 36.5-42 | 42-55.6 | ICLS | 23.98 | 40/PVC | 0.010/SS | 2 | 8 | WJE |
| VW-1 | Refuse Material | 2/13/90 | 42.6 | 39.5 | 10-31 | 36.3-42.6 | -- | -- | 31.4 | Mild Steel | 1/8" x 1" Mild Steel | 6 | 6.5 | WJE |
| VW-2 | Refuse Material | 2/9/90 | 35 | 35 | 10-25 | 31-35 | -- | -- | 26.9 | Mild Steel | 1/8" x 1" Mild Steel | 6 | 6.5 | WJE |
| VW-3 | Refuse Material | 2/12/90 | 42.5 | 40 | 10-30 | 35-42.5 | -- | -- | 24 | Mild Steel | 1/8" x 1" Mild Steel | 6 | 6.5 | WJE |
| VW-4 | Refuse Material | 2/12/90 | 36.5 | 34.6 | 10-26 | 31-36.5 | -- | -- | 26.9 | Mild Steel | 1/8" x 1" Mild Steel | 6 | 6.5 | WJE |

(GVGWRI:TBL31:9175:11-4-92)

- 1 Inside diameter
- 2 Monterey sand
- 3 Lonestar sand
- 4 Stainless steel
- 5 BCL Associates
- 6 Watkins-Johnson Environmental, Inc.
- 7 Moore and Taber
- Not used

**TABLE 3-2
WELL ABANDONMENT SUMMARY
FOR WELLS GW-1, GW-2, AND GW-3**

| WELL NUMBER | PERFORATED INTERVAL (FEET BGS) | GROUTED INTERVAL (FEET BGS) | TOTAL GROUT USED (GALLONS) | CAPACITY (GALLONS) | | PERCENT ANNUAL SPACE FILLED WITH GROUT |
|-------------|--------------------------------|-----------------------------|----------------------------|--------------------|--|--|
| | | | | 4-INCH CASING | ANNUAL SPACE (BETWEEN CASING AND 8.5-INCH BOREHOLE WALL) | |
| GW-1 | -- | 4 - 30 | 17 | 11.1 | 39.0 | -- |
| | 32 - 50 | 30 - 53 | 25 | 15 | 52.8 | 19% |
| | 53 - 80 | 53 - 80 | 55 | 17.6 | 61.9 | 60% |
| | 85 - 115 | 80 - 116 | 40 | 23.5 | 82.6 | 20% |
| GW-2 | -- | 3.2 - 32.4 | 19 | 19 | 67.0 | -- |
| | 35 - 50 | 32.4 - 52 | 20 | 12.8 | 45.0 | 16% |
| | 53 - 80 | 52 - 80 | 90 | 18.3 | 64.3 | 112% |
| | -- | 80 - 116 | 42 | 23.5 | 82.6 | 22% |
| GW-3 | -- | 3 - 34 | 20.2 | 20.2 | 71.1 | -- |
| | 35 - 51 | 34 - 52 | 45 | 11.8 | 41.3 | 80% |
| | 53 - 80 | 52 - 80 | 82 | 18.3 | 64.3 | 99% |
| | -- | 80 - 115.1 | 31 | 22.9 | 80.5 | 10% |

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GW-Remedial Investigation Report
(GVGW-RI:TBL3-2:9175:10/29/92)

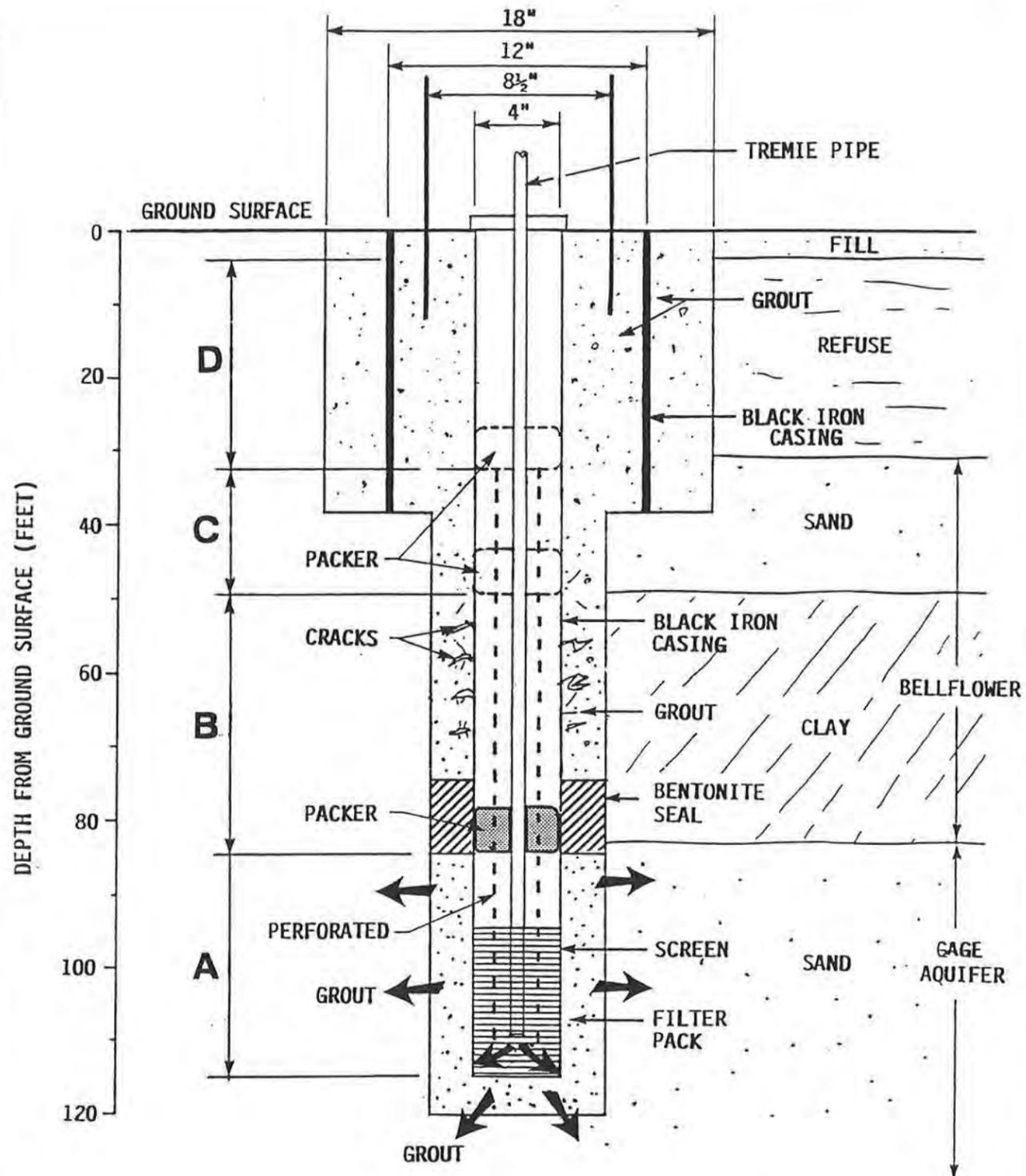


FIGURE 3-8



[714] 860-7777

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**ABANDONMENT PROCEDURES FOR
 WELLS GW-1, GW-2, AND GW-3
 GARDENA VALLEY 1 & 2 LANDFILL**

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4.0 PHYSICAL CHARACTERIZATION OF THE STUDY AREA

4.1 GEOLOGY

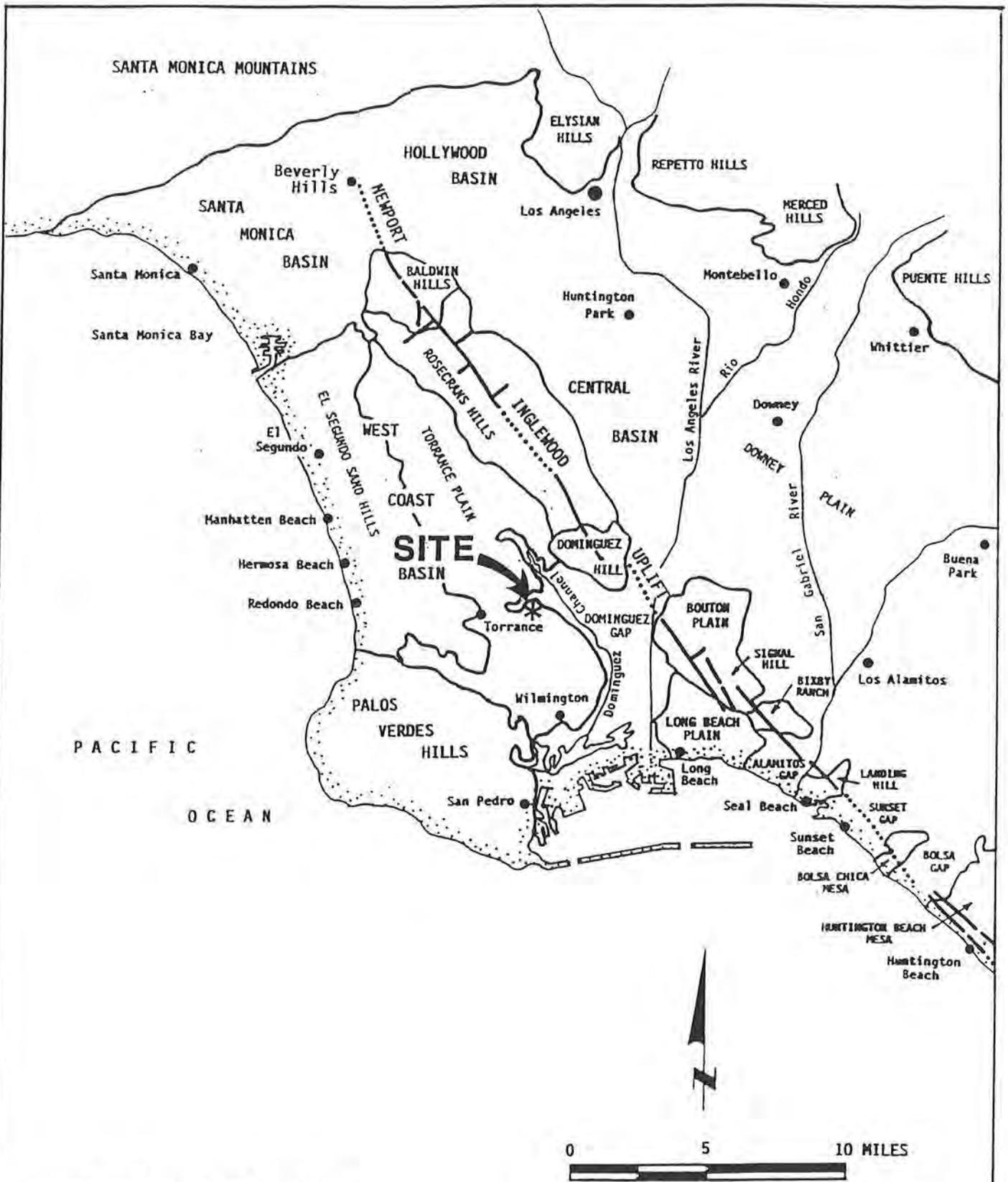
The Gardena Valley 1 & 2 Landfill is located within the West Coast Basin of the Pacific Coastal Plain in Los Angeles County, California (Figure 4-1).

4.1.1 REGIONAL GEOLOGY

The Pacific Coastal Plain in Los Angeles County is underlain by a thick sequence of marine and continental sediments that were deposited in a broad synclinal depression generally referred to as the Los Angeles Basin. In the deepest part of the basin, beneath the Downey Plain, rocks of Tertiary and Quaternary age are more than 20,000 feet thick. Along the northern margin of the basin, at the Santa Monica Mountains and locally to the southwest at the Palos Verdes Hills, these rocks have been extensively deformed, elevated and eroded to expose a basement complex of igneous and metamorphic rocks.

The general synclinal structure of the Los Angeles Basin is transected by the Newport-Inglewood uplift, a composite-faulted anticlinal belt that extends from Beverly Hills to Newport Beach. In effect, this belt divides the coastal plain into two smaller synclinal troughs. To the northeast, a broad syncline underlies the Downey Plain and to the southwest, a relatively narrow syncline forms the structural trough known as the West Coast Basin. The Newport-Inglewood fault zone has been an area of seismic activity since the Miocene Epoch. Stratigraphic evidence indicates recurrent movement along the zone during later Tertiary and Quaternary Periods. Recent earthquakes, including the Inglewood earthquake of 1921, the Long Beach earthquake of 1933, the Dominguez earthquake in 1941, and an earthquake that occurred in Newport Beach during April 1989 indicate that the zone is still active.

Tertiary and Quaternary units of the West Coast Basin dip gently coastward from the crest of the Newport-Inglewood uplift. Along the basin axis these sedimentary rocks overlie the basement complex upon which they were deposited, and their thickness ranges from a few thousand to approximately



MODIFIED FROM THOMAS, ET AL., 1961

FIGURE 4-1



[714] 860-7777

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**PHYSIOGRAPHIC FEATURES AND
 GROUND-WATER BASINS, COASTAL PLAIN
 OF THE LOS ANGELES COUNTY, CALIFORNIA**

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| JOB NO. |
| DATE |
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| CHECKED BY: |

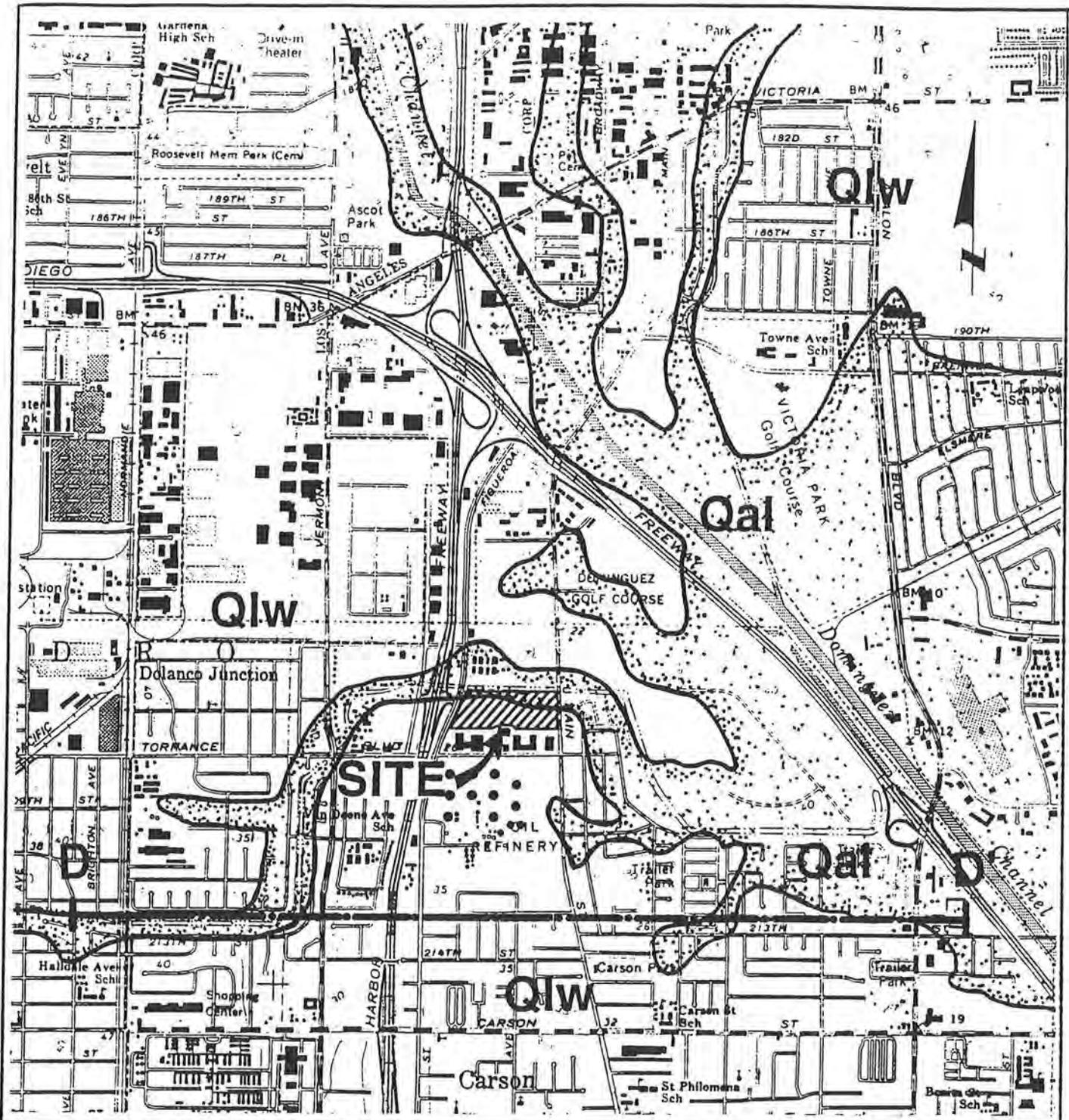
13,000 feet. To the southwest, these units are warped over the Torrance-Wilmington anticlinal structure and flexed sharply upward to form the Palos Verdes Hills.

Alluvial material and fine-grained layers of sand, silt, and clay comprise the Recent deposits which are typically present at surface outcrops throughout the basin. Extensive deposits of coarse gravel and sand, that are chiefly Pleistocene in age, occur beneath most of the basin and are predominantly of littoral or shallow marine origin. Tertiary rocks in the West Coast Basin are almost entirely of marine origin and are primarily of Pliocene and Miocene ages. They consist of sandstone, siltstone, mudstone, diatomite, and siliceous shale, and are exposed only at the bordering highlands in the Santa Monica Mountains and the Palos Verdes Hills. Data from oil wells drilled in the area between the highlands indicates that these sediments are present at depth throughout the basin (Thomas et al., 1961).

4.1.2 LOCAL GEOLOGY

The Gardena Valley 1 & 2 Landfill site is situated on the Torrance Plain within the West Coast Basin. The site is bordered on the north and east by a finger of the Dominguez Erosional Gap (Figure 4-1). A geologic map of the site and surrounding area is given in Figure 4-2.

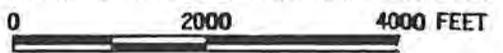
A previous regional study (Thomas et al., 1961) indicates that the site rests on sediments of the Late Pleistocene Upper Lakewood Formation. However, inspection of aerial photography from as recently as 1941 reveals that much of the site may have been periodically flooded by water from the Dominguez Channel, especially along the northern and eastern margins, and that these areas of the site may be covered with fine-grained Recent flood plain deposits. The upper portion of the Lakewood Formation is comprised of mainly fine grained materials such as silts, silty sands, and clays with discontinuous sandy zones. These deposits represent typical meandering alluvial stream deposits with fine grained flood plain sediments comprising up to eighty percent of the total deposits (Thomas et al., 1961). Beneath this initial fine grained material within the Lakewood Formation, interbedded sandy gravels, silty or sandy clays and sands occur to the base of the formation. This portion of the formation is



EXPLANATION

- Qal** RECENT ALLUVIUM
- Qlw** LATE PLEISTOCENE LAKEWOOD FORMATION - ALLUVIUM
- D D'** LOCATION OF CROSS SECTION

Geology modified from Thomas, et al., 1961



Base map from U.S.G.S. 7.5 minute series, Torrance Quadrangle, Ca.

FIGURE 4-2



(714) 860-7777

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**GEOLOGIC MAP OF
 GARDENA VALLEY 1 & 2 LANDFILL
 AND SURROUNDING AREA
 CARSON, CALIFORNIA**

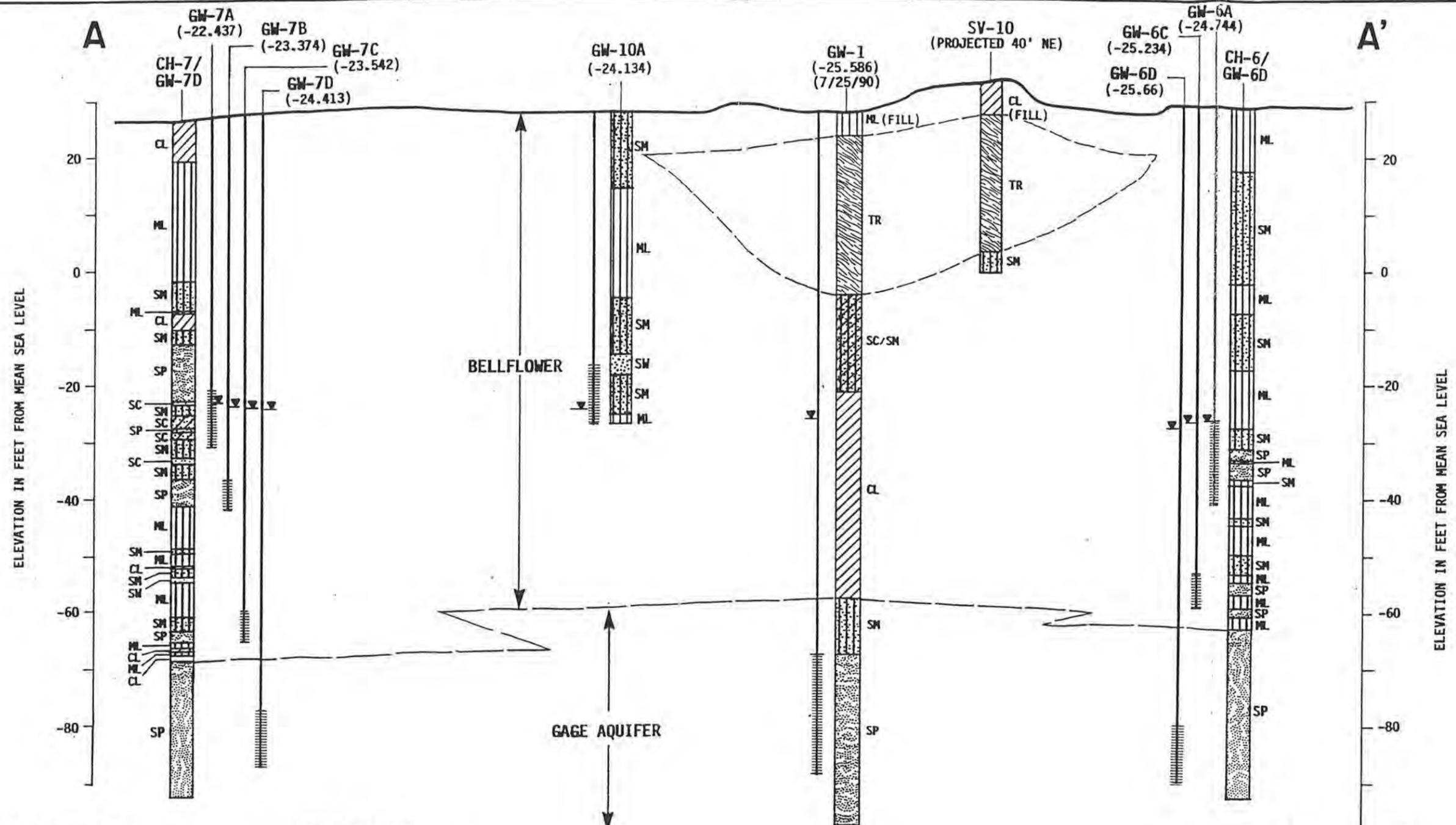
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thought to be of mixed continental and marine origin (Thomas et al., 1961). The Lakewood Formation was originally estimated to extend to a depth of approximately 180 feet BGS in the vicinity of the Gardena Valley 1 & 2 Landfill site, but a recent study at an adjacent site (Del Amo Hazardous Waste Site), concluded that the formation extends approximately 220 feet BGS (Ecology and Environment, 1989).

Borings drilled during the current Gardena Valley 1 & 2 Landfill investigation and previous site studies, indicate alternating layers of silt, clay, clayey sand, silty sand, and sand to approximately 93 feet BGS, correlating with the predicted lithology of the upper Lakewood Formation. Shell fragments were encountered intermittently in an interval from 40 feet to 65 feet BGS. The lithology from this interval indicates a marine depositional environment or stream channel deposits with a marine sediment source. Cross-sections shown on Figures 4-3 through 4-5 show the lithology encountered during the Gardena Valley 1 & 2 Landfill investigations. The locations of these cross sections are shown on Figure 3-1. A relatively clean, poorly graded fine sand was encountered at approximately 93 feet BGS. During a previous investigation (BCL Associates, 1985), a boring (GW-1) was drilled to a depth of approximately 150 feet BGS, and revealed the thickness of this sand layer to be approximately 50 feet. This sand unit correlates with the lower Lakewood formation and is known as the Gage Aquifer. Beneath the sand a predominately clay unit was encountered at a depth of approximately 135 feet BGS. The thickness of this clay was not determined but extended to the total depth of GW-1 (150 feet).

A 400-foot continuously cored boring (DA-1A) that was drilled approximately 1,300 feet west of GW-1 (Figures 4-6 and 4-7) during the Del Amo site investigation, did not encounter the clay layer that was found at 135 feet BGS in GW-1. The lithology of DA-1A from approximately 80 feet to 220 feet BGS is dominated by poorly graded relatively clean fine grained sand with some medium and coarse grained sand horizons. This would indicate that the clay layer found at 135 feet in GW-1 is laterally discontinuous to the west.

Two borings were drilled to a total depth of almost 200 feet BGS just south of the Gardena Valley 1 & 2 Landfill site at the Golden Eagle Refinery (Figure 4-7) (LeRoy Crandall and Associates, 1986). One of these borings,



- KEY TO LITHOLOGY**
- SAND, POORLY GRADED (SP)
 - SAND, WELL GRADED (SW)
 - SAND, SILTY (SM)
 - SAND, CLAYEY (SC)
 - SILT (ML)
 - CLAY (CL)
 - TRASH (TR)

- EXPLANATION**
- SCREEN INTERVAL
 - WATER LEVEL (TAKEN ON 4/26/91)

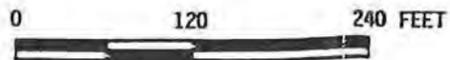
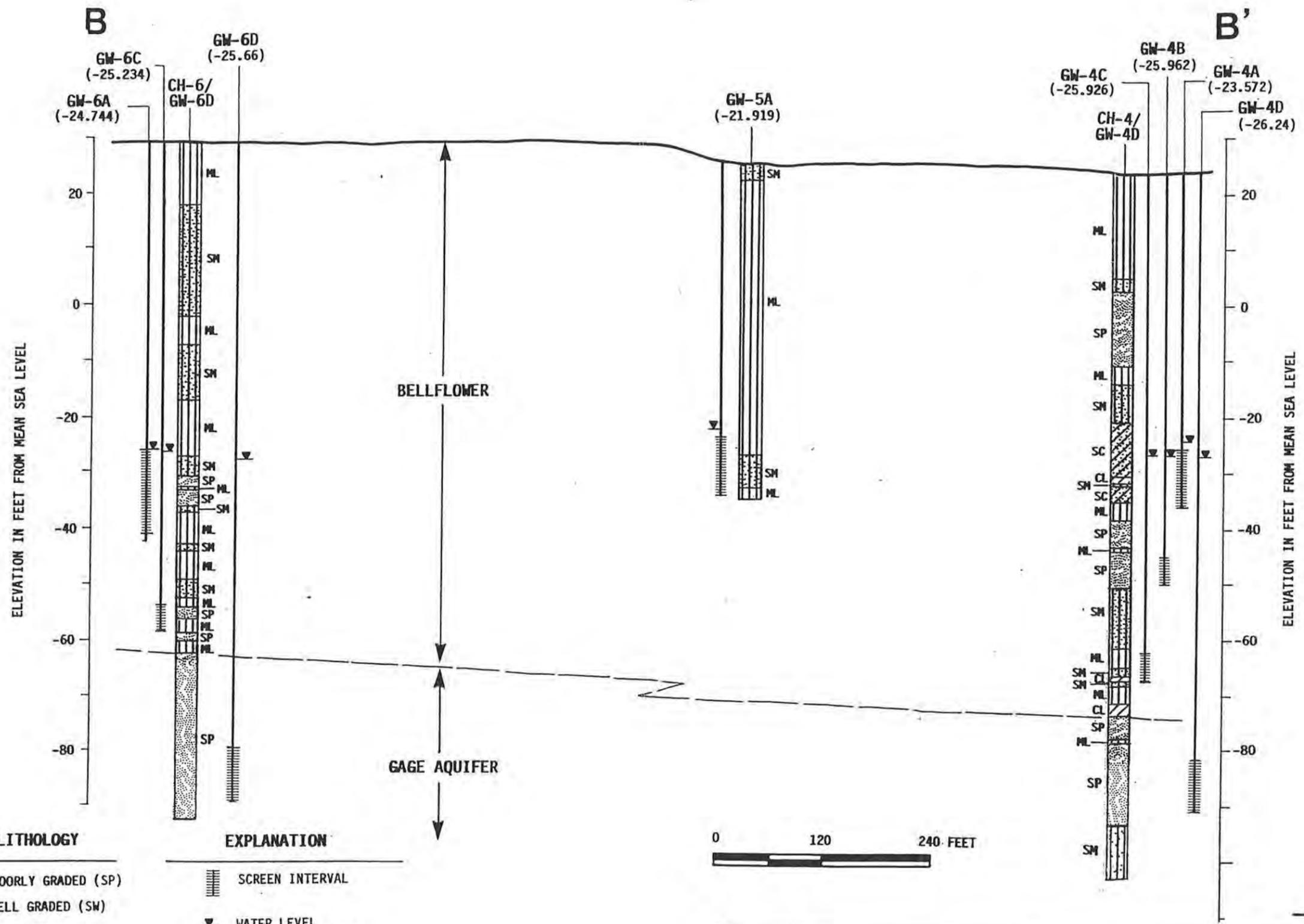


FIGURE 4-3

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| | |
|---|--|
| CROSS SECTION A-A' | |
| GARDENA VALLEY 1 & 2 LANDFILL SITE | |
| CARSON, CALIFORNIA | |
| JOB NO. | |
| DATE | |
| DRAWN BY: | |
| CHECKED BY: | |



KEY TO LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, WELL GRADED (SW)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)

EXPLANATION

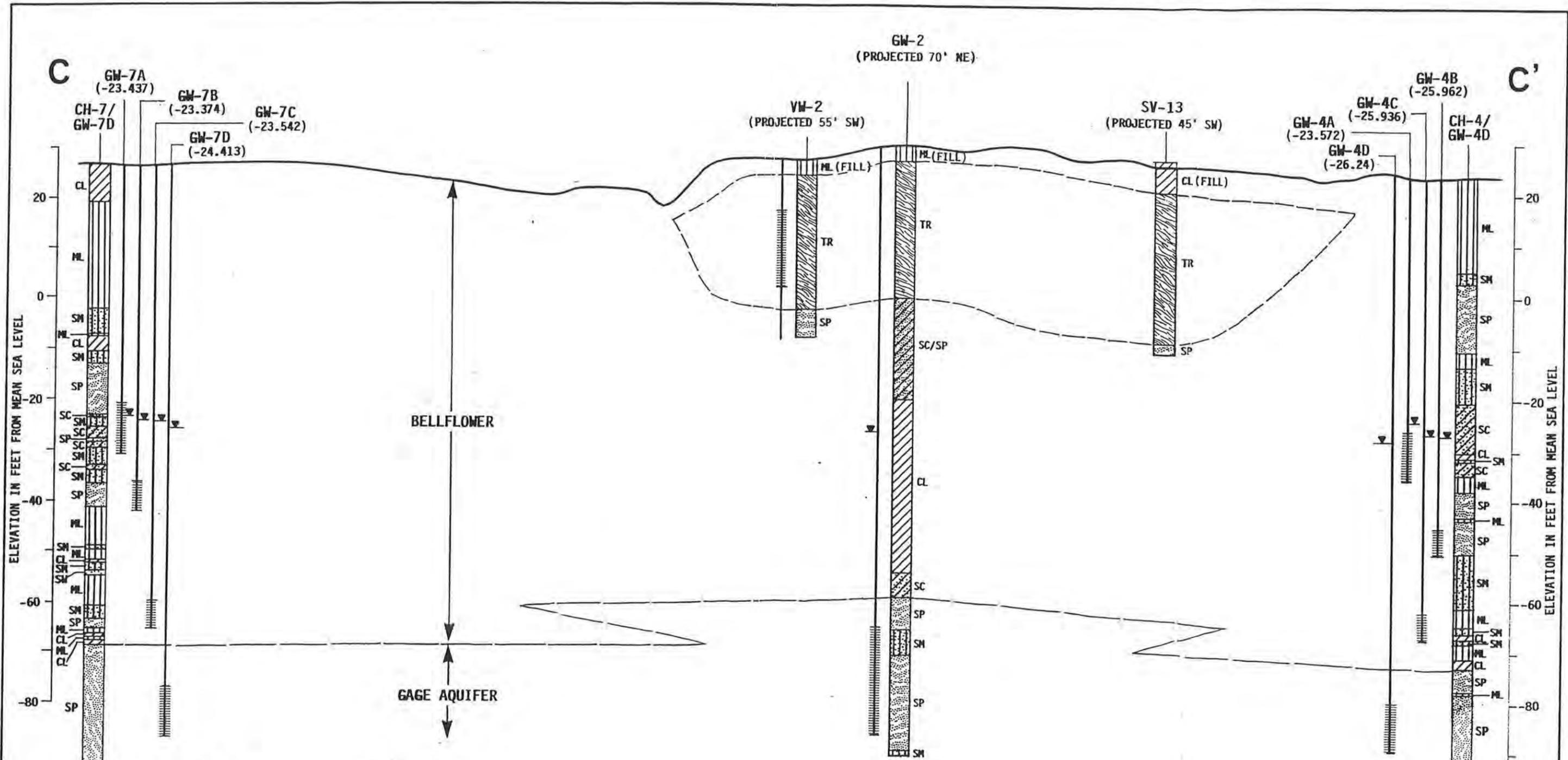
- SCREEN INTERVAL
- WATER LEVEL (TAKEN ON 4/26/91)

FIGURE 4-4

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 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

CROSS SECTION B-B'
GARDENA VALLEY 1 & 2 LANDFILL SITE
CARSON, CALIFORNIA

| |
|-------------|
| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



KEY TO LITHOLOGY

EXPLANATION

- SAND, POORLY GRADED (SP)
- SAND, WELL GRADED (SW)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)
- TRASH (TR)

- SCREEN INTERVAL
- WATER LEVEL (TAKEN ON 4/26/91)

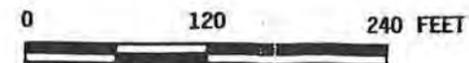
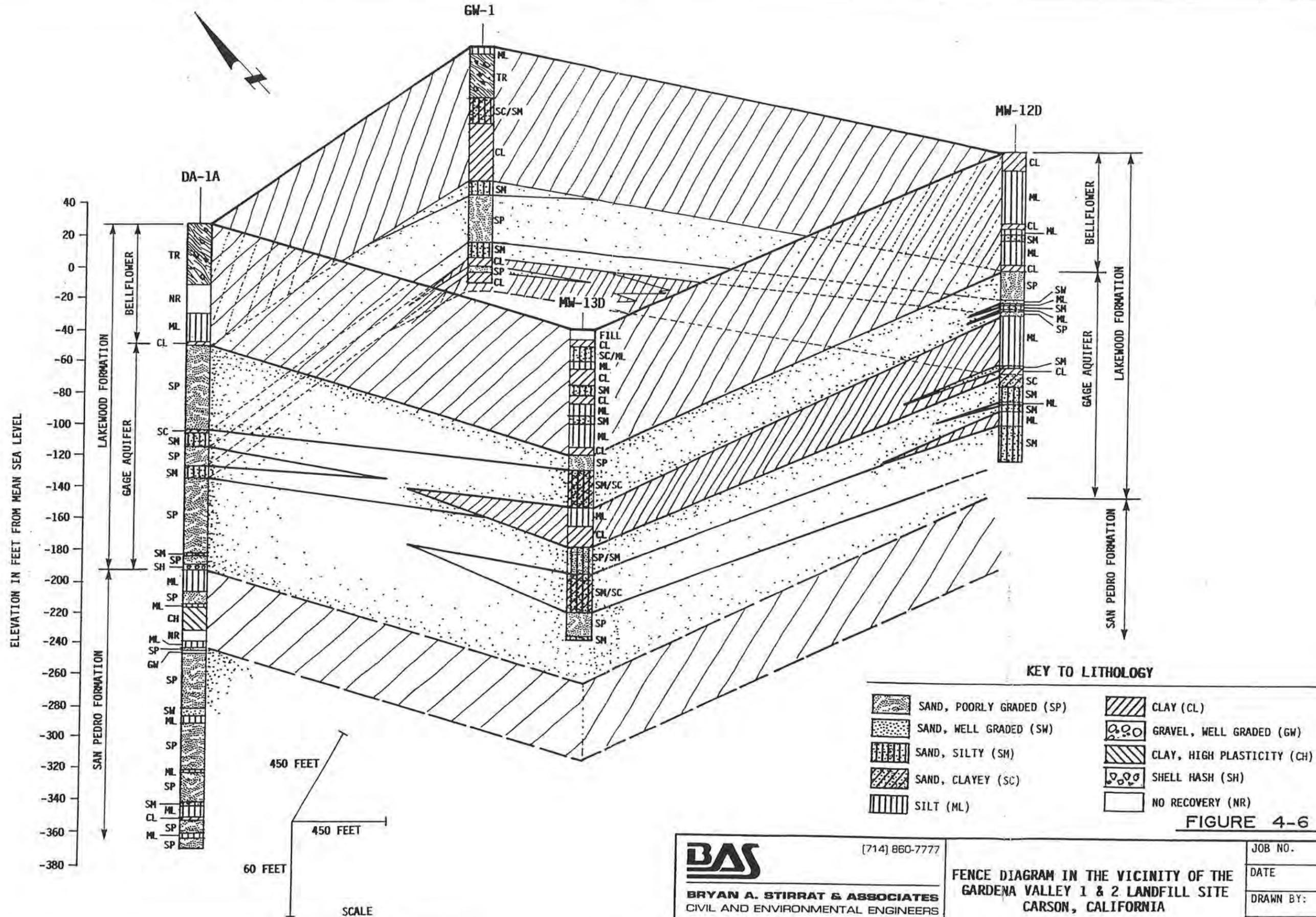


FIGURE 4-5

BAS [714] 860-7777
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CROSS SECTION C-C'
GARDENA VALLEY 1 & 2 LANDFILL SITE
CARSON, CALIFORNIA

| |
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| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |

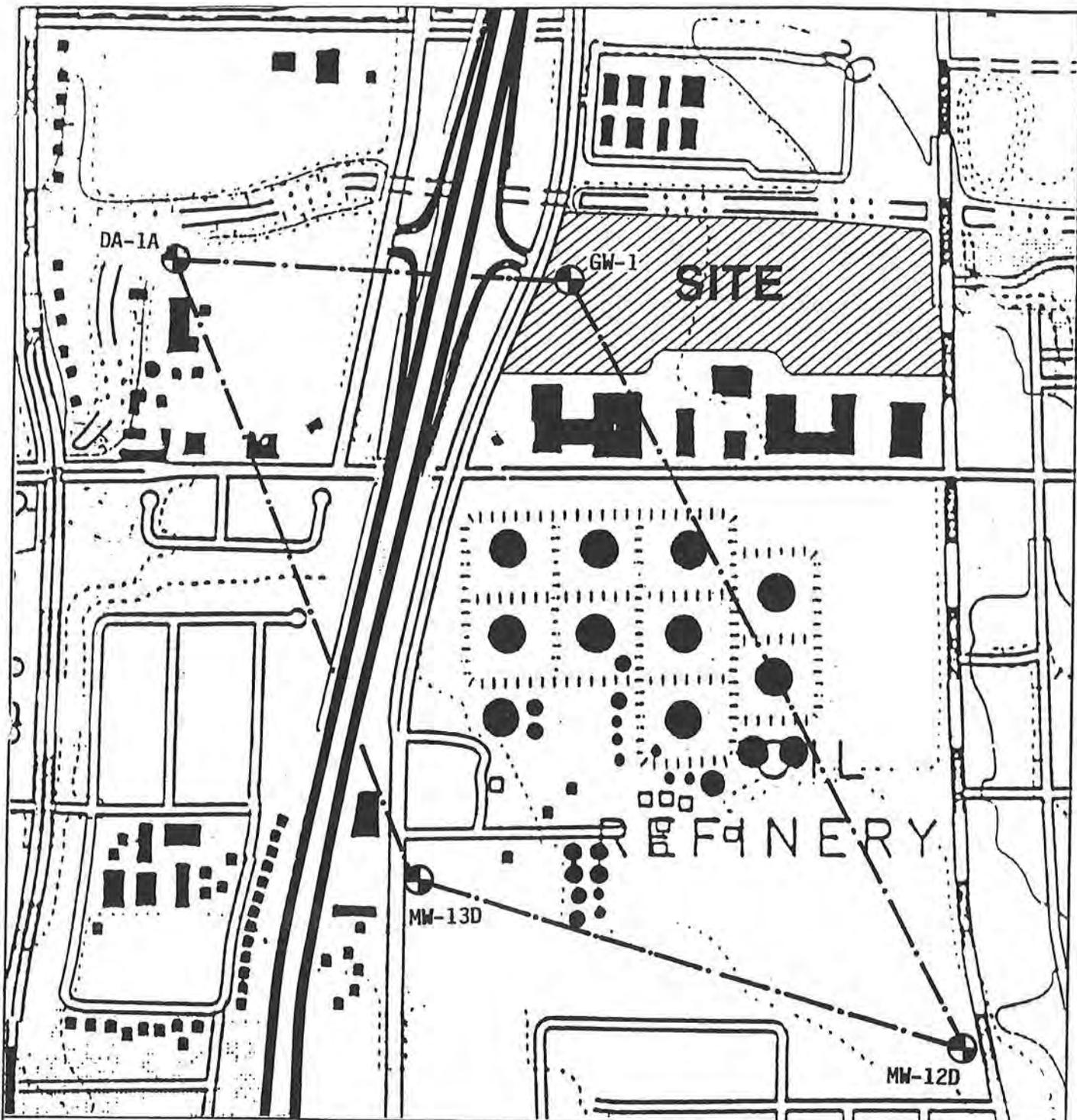


BAS
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[714] 860-7777

FENCE DIAGRAM IN THE VICINITY OF THE
 GARDENA VALLEY 1 & 2 LANDFILL SITE
 CARSON, CALIFORNIA

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Base map from U.S.G.S. 7.5' series (topographic),
Torrance Quadrangle, CA

EXPLANATION

--- LOCATION OF FENCE DIAGRAM

0 500 1000 FEET



FIGURE 4-7



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**LOCATION OF WELLS USED FOR THE
FENCE DIAGRAM IN THE VICINITY OF
THE GARDENA VALLEY 1 & 2 LANDFILL**

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MW-13D, is located approximately 2,100 feet south of GW-1, and the other, MW-12D, is approximately 2,900 feet southeast of GW-1. The clayey zone found 135 feet BGS in GW-1 appears to be present in clay and silt layers found at similar elevations in MW-13D and MW-12D. Conversely, it appears that the approximately 140-foot thick relatively clean sand unit initially encountered approximately 80 feet BGS in DA-1A becomes interbedded with layers of silty sand, clayey sand, silt and clay to the southeast as is evident in GW-1, and MW-12D and -13D. The bottom of this 140-foot thick sand unit is interpreted as being the bottom of the Lakewood Formation (Ecology and Environment, 1989). Figure 4-6 is a fence diagram of DA-1A, GW-1, MW-12D, and MW-13D showing the interpreted lithology of the Lakewood Formation in the vicinity of the Gardena Valley 1 & 2 Landfill. The locations of the monitoring wells used in the construction of this fence diagram are shown on Figure 4-7.

Underlying the Lakewood Formation unconformably is the lower Pleistocene San Pedro Formation. According to Thomas et al. (1961) this unit consists of stratified unconsolidated sand with some interbeds of fine gravel, silty sand, and silt and is thought to be primarily of marine origin. The formation is estimated to extend to a depth of approximately 1,050 feet in the vicinity of the Gardena Valley 1 & 2 Landfill site.

Below the 140-foot thick sand that extends to a depth of 220 feet BGS in DA-1A, a 51-foot thick layer of predominately clayey silt and plastic clay was encountered. Below this silt and clay layer a 130-foot layer of relatively clean medium, coarse, and fine grained sand with some gravel horizons predominates to the total depth of the 398-foot borehole. The bottom 30 feet of the borehole showed layers of interbedded silt, clay, and silty sand. The lithology found in Borehole DA-1A below 220 feet BGS generally corresponds to the predicted lithology of the upper San Pedro Formation.

The San Pedro Formation unconformably rests on the Upper Pliocene Pico Formation. The upper member of the Pico Formation is generally composed of sand, silt, and clay of marine origin interbedded with marine gravels (Thomas et al., 1961). This member is separated from the middle and lower members of the formation by an unconformity. The middle and lower members consist of siltstone and fine to coarse sandstone interbedded with claystone and shale. The

Pico Formation is thought to be the deepest unit to yield water suitable for municipal use in the area of investigation and is therefore the oldest unit that will be addressed in this report.

4.2 HYDROGEOLOGY

4.2.1 REGIONAL HYDROGEOLOGY

The Pacific Coastal Plain in Los Angeles County is divided into two distinct groundwater basins by the Newport-Inglewood uplift (Figure 4-1). To the northeast lies the Central Basin covering about 500 square miles, the majority of which occurs beneath the Downey Plain. To the southwest is the West Coast Basin that underlies the Torrance Plain, the El Segundo Sand Hills, the Palos Verdes Hills, the Dominguez Gap, the Long Beach Plain, and several smaller physiographic features. The Gardena Valley 1 & 2 Landfill lies within the West Coast Basin. At least three major bodies of groundwater are found in the two basins. In descending order these are: 1) a body of shallow unconfined and semi-perched water (Semi-perched Aquifer) that occurs in areas where more permeable sands and silts overlie less permeable clays and silts, 2) a principal body of fresh groundwater that occupies almost all of the deposits of Recent and Pleistocene age and the upper part of the underlying Pliocene rocks, and 3) a body of saline connate water that underlies the principal fresh-water body throughout the coastal plain. Figure 4-8 is a cross section, referenced to Figure 4-2, that shows the principal fresh water hydrogeologic units in the West Coast Basin.

4.2.1.1 HYDROGEOLOGIC UNITS

In the West Coast Basin, the Semi-perched Aquifer occurs both in Recent alluvial deposits of limited extent and in the uppermost portion of the Pleistocene Lakewood Formation. This unit is referred to as "semi-perched" because its total hydraulic head is typically higher than that of underlying aquifers. This unit has been described as consisting of both coarse sands and gravels (Thomas et al., 1961) and fine sand and silt (Poland et al., 1959). In most areas of the West Coast Basin, the Semi-perched Aquifer is the shallow unconfined unit encountered at the water table. This unit receives the majority

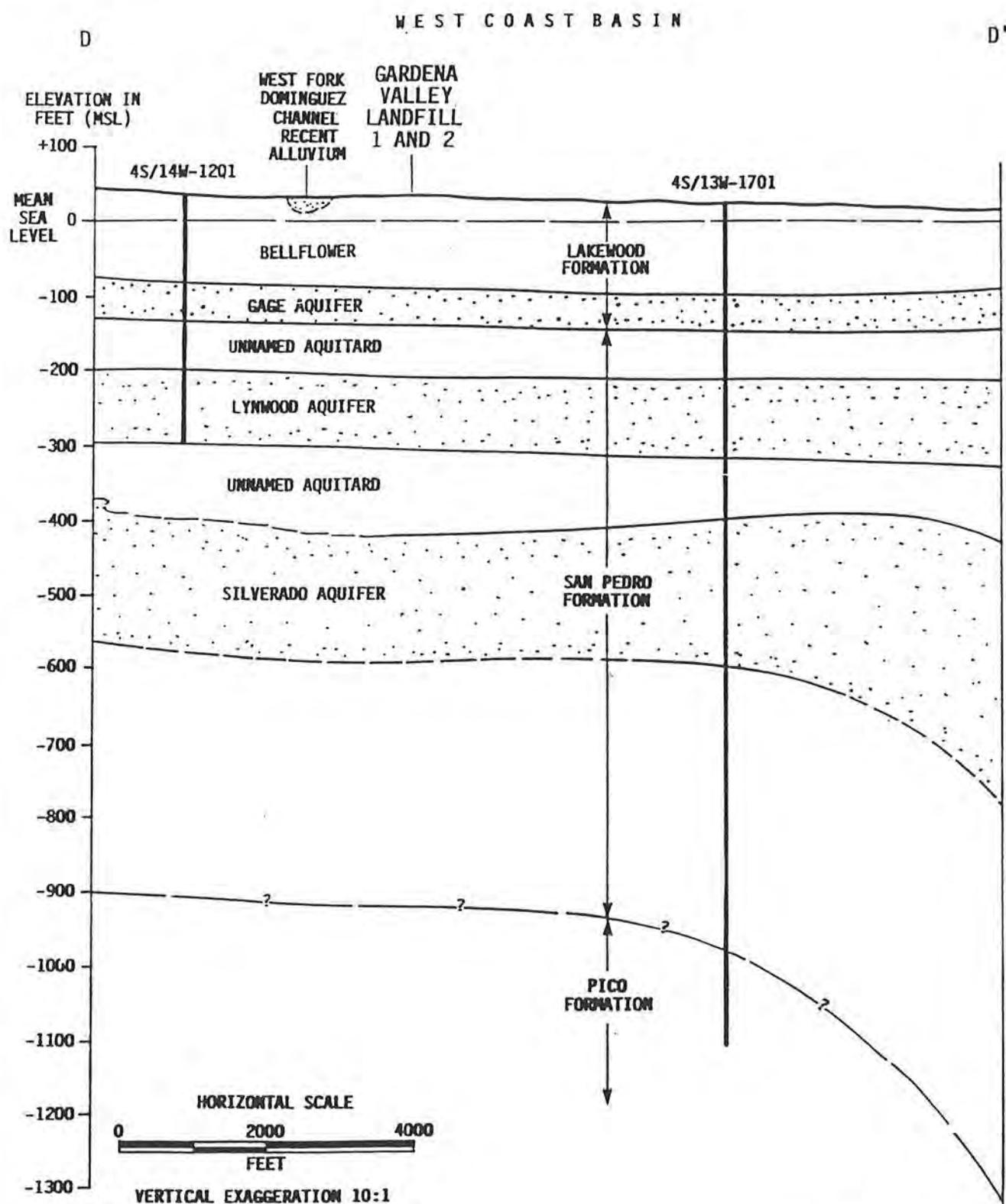


FIGURE 4-8



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**CROSS SECTION OF PRINCIPAL
 HYDROGEOLOGIC UNITS IN
 THE WEST COAST BASIN
 LOS ANGELES COUNTY, CALIFORNIA**

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of its recharge via rainfall infiltration (Poland et al., 1959). Groundwater contained within the Semi-perched Aquifer is put to little beneficial use because of the low yield and the poor quality of water typically extracted from this unit throughout the basin (Thomas et al., 1961). The Semi-perched Aquifer is typically underlain by sediments of lesser permeability that restrict the vertical movement of groundwater. These lower permeability sediments are aerially extensive throughout most of the basin and have been designated as the Bellflower Aquiclude. The Bellflower is entirely within the Pleistocene Lakewood Formation over the majority of the West Coast Basin but contains some Recent sediments within the Dominguez Erosional Gap. Thicknesses of the Bellflower range up to 200 feet, and its lowest base elevation occurs approximately 140 feet below mean sea level (MSL) (Thomas et al., 1961).

Underlying the Bellflower in the majority of the West Coast Basin is the Gage Aquifer. This unit extends throughout most of the West Coast Basin but does not underlie the Long Beach Plain. The base of the Gage Aquifer roughly coincides with the base of the Lakewood Formation and hence the unit is entirely Pleistocene in age. Except for localized areas, the Gage Aquifer is confined by the Bellflower. This aquifer reaches a maximum thickness in the West Coast Basin of approximately 160 feet, and its lowest base elevation is approximately 250 feet below MSL. The unit is composed primarily of sand with lower percentages of gravel. Thin interbeds of silt and clay may also occur locally in minor amounts (Thomas et al., 1961). Transmissivities for this aquifer range from 1,300 to 12,000 feet²/day. When divided by aquifer thickness, these values result in moderate to low hydraulic conductivities. Therefore, the unit is unimportant as a producer of water for municipal use.

Lower Pleistocene deposits contain two main aquifers in the West Coast Basin. These are the Lynwood and the Silverado Aquifers. Both of these units are within the San Pedro Formation which underlies the Lakewood Formation. The uppermost aquifer, the Lynwood, is composed of sand and gravel with lesser amounts of sandy silt, silt, and clay in the northern and central parts of the West Coast Basin. South of Gardena, the gravel is not present, and the aquifer consists mainly of sand and sandy silt. Throughout most of the West Coast Basin, the Lynwood Aquifer is confined and separated from the overlying Gage Aquifer by an unnamed fine grained aquitard. However, recent studies have

shown that, in some areas, this aquitard may not be present and that the Lynwood may be in direct contact with the overlying Gage Aquifer (Ecology and Environment, 1989). The Lynwood attains a maximum thickness of approximately 200 feet, and its lowest base elevation is approximately 550 feet below MSL. Transmissivities for this aquifer range from approximately 2,700 to 13,500 feet²/day. About 10 percent of the wells in the West Coast Basin are screened in the Lynwood Aquifer; however, few of these wells are drawing water solely from the Lynwood as most are also perforated in other aquifers (Thomas, et al., 1961). Moderate well yields have been reported from this unit. The lowest defined aquifer of the San Pedro Formation in the West Coast Basin is the Silverado Aquifer. This unit consists of fine to coarse-grained sands and gravels that are continuous over most of the area but are interbedded in some places with discontinuous layers of relatively impermeable sandy silt, silt, and clay. The Silverado is confined by an unnamed aquitard throughout the West Coast Basin except in a few areas where it merges with the overlying Lynwood Aquifer. The base of the Silverado reaches a maximum depth of approximately 1,200 feet below MSL and the unit has a maximum thickness of about 500 feet. Transmissivities for this aquifer range from a low of approximately 2,700 feet²/day to a maximum of approximately 53,500 feet²/day (Thomas et al., 1961). Because the unit is typically significantly thicker than other near surface aquifers in the area, and because it displays moderate to high hydraulic conductivities, the aquifer yields significant quantities of water to fully penetrating municipal wells in the area.

Below the Silverado Aquifer are 500 to 700 feet of fresh-water bearing sediments of the San Pedro and Pico Formations that have not been identified as aquifers. In some portions of the basin, these units consist of deposits of coarse sand and gravel while in other areas the units are fine-grained and act as aquitards. The upper boundary of the Pico Formation consists of relatively impermeable silt and clay members interbedded with fresh-water sands and lenses of gravel (Thomas, et al, 1961). Water in the deeper Pliocene sediments is mainly saline.

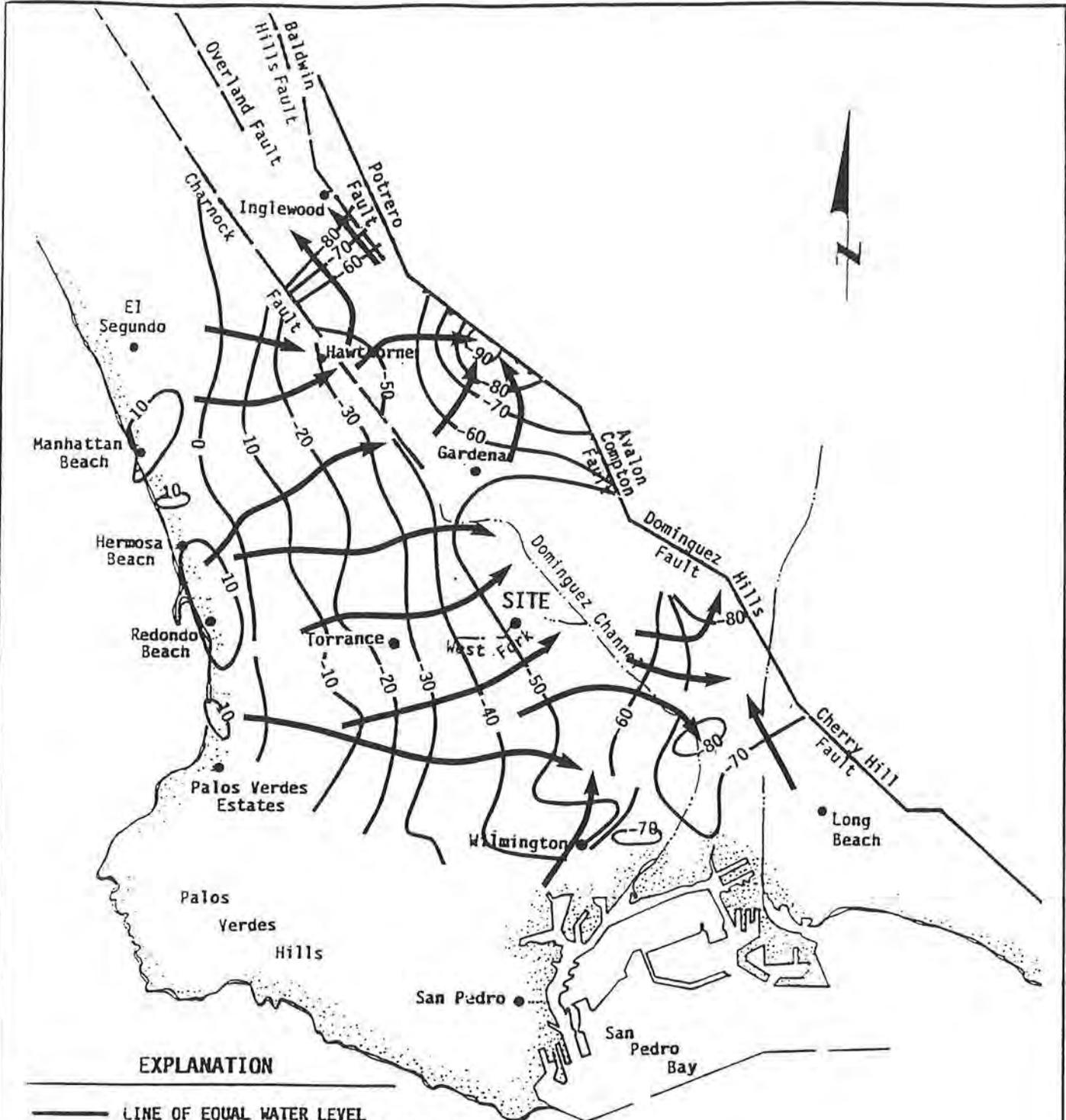
4.2.1.2 REGIONAL GROUNDWATER MOVEMENT

The Department of Water Resources, West Coast Basin Watermaster Service publishes a yearly report on water supply conditions in the West Coast Basin (State of California, 1991). A map of the potentiometric surface of the Silverado Aquifer, constructed from water levels measured in both production and monitoring wells during Spring 1991 is shown in Figure 4-9.

Although the potentiometric surface of the Silverado Aquifer generally declines in the West Coast Basin from west to east, significant variability in groundwater flow direction may occur locally. For example, between the Charnock Fault and the Potrero Fault in the northern part of the basin, flow direction is generally to the northwest, whereas, to the north of Wilmington, in the southern part of the basin, flow direction in the Silverado appears to be generally to the east. In the vicinity of the Gardena Valley 1 & 2 Landfill the groundwater flow direction in the Silverado is generally to the east-northeast.

4.2.2 LOCAL HYDROGEOLOGY

The Gardena Valley 1 & 2 Landfill is situated on the Torrance Plain within the West Coast Groundwater Basin and is bordered to the north and east by a finger of the Dominguez Erosional Gap (Figure 4-1). Native near-surface materials immediately beneath the majority of the site consist of interbedded fine sands, silts, and clays of the late Pleistocene Lakewood Formation. These sediments are of mixed marine, littoral, and alluvial origin, and typically exhibit relatively low permeabilities. Near-surface fine grained flood plain deposits of Recent age along the eastern and northern margins of the site may be the result of overbank flooding from the Dominguez Channel. Groundwater beneath areas of the site that have been impacted by Dominguez Channel deposition may exhibit the hydrogeologic characteristics of an estuarine environment such as elevated levels of chloride, sulfate, total dissolved solids, and specific conductivity.



EXPLANATION

- LINE OF EQUAL WATER LEVEL ELEVATION IN FEET (FROM MEAN SEA LEVEL)
- ← APPROXIMATE DIRECTION OF GROUND-WATER FLOW

Modified from Report of Water Supply Conditions
 West Coast Basin Water Master Service
 Fiscal Year 1991

FIGURE 4-9



[714] 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

POTENTIOMETRIC MAP OF
 SILVERADO AQUIFER IN THE
 WEST COAST BASIN, SPRING, 1991
 LOS ANGELES COUNTY, CALIFORNIA

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4.2.2.1 LITERATURE REVIEW

The most shallow groundwater unit beneath the Gardena Valley 1 & 2 Landfill has typically been referred to in historical literature as the Semi-perched Aquifer. This unit occurs under unconfined conditions, and its water-table elevation is typically higher than the potentiometric surface of underlying confined aquifers (Poland et al., 1959). Beneath the Semi-perched Aquifer in the site vicinity is the hydrogeologic unit known as the Bellflower. The Bellflower typically contains fine grained sands, silts, and clays that inhibit the free movement of water from the Semi-perched Aquifer to underlying hydrogeologic units. During an initial site investigation at the Gardena Valley 1 & 2 Landfill, BCL Associates (1985) identified the top of an aquitard, which they interpreted to occur above the Gage Aquifer, at an elevation of approximately 105 feet below MSL. According to Thomas et al. (1961), the base of the Bellflower occurs at an elevation of approximately 90 feet below MSL beneath the site. However, immediately south of the site at the Golden Eagle Refinery and to the northwest at the Del Amo Hazardous Waste Site, other investigators have interpreted the Bellflower to occur at elevations ranging from approximately 90 to 115 feet below MSL (SCS Engineers, 1989), and from approximately 28 to 48 feet below MSL (Ecology and Environment, 1989), respectively.

Beneath the Bellflower in the vicinity of the site are the Gage, Lynwood, and Silverado Aquifers, respectively. These units occur under confined conditions and are reportedly separated from each other by relatively impermeable aquitards in most areas (Poland et al., 1959). In the area of this investigation, the Gage Aquifer is reportedly confined above by the Bellflower, and has been reported to occur from elevations of approximately 90 feet below MSL to approximately 150 feet below MSL by Thomas et al. (1961). Ecology and Environment (1989) reported the Gage Aquifer to occur from a depth of approximately 48 feet below MSL to 190 feet below MSL at the nearby Del Amo site.

Thomas et al. (1961) reports that the Lynwood Aquifer occurs from an elevation of approximately 210 feet below MSL to approximately 310 feet below MSL beneath the Gardena Valley 1 & 2 Landfill and that it is separated from aquifers

above and below by low permeability silts and clays. However, recent investigations have revealed that in some areas the Lynwood may be hydraulically connected with the overlying Gage. Ecology and Environment (1989) reported that the aquitard separating the Lynwood/Silverado Aquifers from the Gage Aquifer was not present in a boring located approximately 2.5 miles southwest of the Gardena Valley 1 & 2 Landfill. However, in another boring located only 0.3 miles northwest of the site, Ecology and Environment (1989) reported that this aquitard was present. Hargis and Associates (1989) drilled six deep exploratory borings at the Montrose site located approximately 1.1 miles northwest of the Gardena Valley 1 & 2 Landfill. At all six of these borings a low permeability unit consisting of clay or clayey silt ranging from 12 to 35 feet thick was encountered that roughly correlates with the aquitard below the Gage reported by Ecology and Environment (1989). Therefore, given the limits of the available hydrogeologic data in the vicinity of the site, the aquitard separating the Gage Aquifer from the deeper Lynwood Aquifer is interpreted to be present beneath the Gardena Valley 1 & 2 Landfill.

The Silverado Aquifer has been reported to occur from an elevation of approximately 410 feet below MSL to approximately 590 feet below MSL beneath the Gardena Valley 1 & 2 Landfill (Thomas et al., 1961). In some areas the Silverado is merged with the overlying Lynwood Aquifer; however, at this site, the aquitard separating these two aquifers is thought to be present (Thomas et al., 1961).

4.2.2.2 INTERPRETATION OF SHALLOW GROUNDWATER UNITS

As was mentioned in Section 3.2.2.1, BCL Associates (1985) performed an initial groundwater investigation at the Gardena Valley 1 & 2 Landfill. Their interpretation of subsurface hydrogeology based on the logs of three deep borings that were drilled for that investigation concluded that a water bearing unnamed "confined aquifer" occurs beneath the site from approximately 85 feet BGS (about 55 feet below MSL) to 140 feet BGS (about 110 feet below MSL). The potentiometric surface in this "confined aquifer" was measured at approximately 30 feet below MSL. Beneath this confined unit, an unnamed clay aquitard with interbedded sand was encountered in one boring. Although none

of the borings drilled for that investigation penetrated the entire thickness of this clay, the Gage Aquifer was interpreted to occur approximately 10 to 15 feet below the top of this lower confining unit.

Based on new information obtained from the Bellflower wells from the current investigation and other subsurface investigations in the area, the interpretation of the hydrogeologic units that occur in the shallow subsurface beneath the Gardena Valley 1 & 2 Landfill has been revised.

The differentiation between the Semi-perched Aquifer and the Bellflower Aquiclude beneath this site is not entirely clear. These units have traditionally been the most shallow hydrogeologic units addressed in discussions of the groundwater geology of the West Coast Basin (Poland et al., 1959) (Thomas et al., 1961). Beneath the project site, shallow unconfined groundwater occurs at depths ranging from approximately 40 to 50 feet BGS. These depths correspond to elevations ranging from approximately 21 to 24 feet below MSL. This initial shallow groundwater does occur under "semi-perched" conditions because, as will be discussed in Section 4.2.2.4, the hydraulic head difference between this and lower units typically results in a slight downward orientation of the vertical hydraulic gradient. However, continuous cores obtained during this investigation revealed no clear boundary between the Semi-perched Aquifer and the Bellflower. In fact, the majority of the sediments in which unconfined groundwater occurs beneath the site are interbedded fine grained sands, silts, and clays that might be more indicative of the materials that have typically been described in the Bellflower. Use of the term "aquiclude" is not appropriate because in many areas, including the present site of investigation, these sediments merely restrict the downward percolation of groundwater to underlying aquifers but do not preclude it. However, because these sediments typically have lower hydraulic conductivity values than underlying aquifers, they do act to confine these lower units. Interpretations resulting from another groundwater investigation in the area have made the distinction between the Semi-perched Aquifer and the Bellflower based on slight changes in lithology (SCS Engineers, 1989). However, for the purposes of this discussion, the shallow unconfined zone beneath the Gardena Valley 1 & 2 Landfill, containing mostly low permeability sediments and extending downward to the Gage Aquifer, will be referred to as the Bellflower.

The uppermost Gage Aquifer is interpreted to occur beneath the Bellflower at an elevation of approximately 65 feet below MSL. This interpretation includes the unit previously designated by BCL Associates (1985) as a "confined aquifer" above the Gage as the uppermost portion of the Gage Aquifer. This revised interpretation is based on the lateral continuity of this unit across the site and on correlation of onsite borings with deep borings drilled for this and other investigations in the area (SCS Engineers, 1989) (Ecology and Environment, 1989) (Figure 4-6). Although the hydraulic head in the Gage Aquifer is typically lower than that of the overlying Bellflower, the Gage is a confined aquifer because the potentiometric surface of this unit is above its upper stratigraphic boundary. The clay unit encountered by BCL Associates at the bottom of one onsite boring within this unit is thought to be a discontinuous interbed within the Gage Aquifer. The bottom of the Gage is interpreted to occur at an elevation of approximately 190 feet below MSL based on a deep boring drilled at the Del Amo site (Ecology and Environment, 1989). These hydrogeologic interpretations are shown on the fence diagram in Figure 4-6.

4.2.2.3 HYDRAULIC PARAMETERS

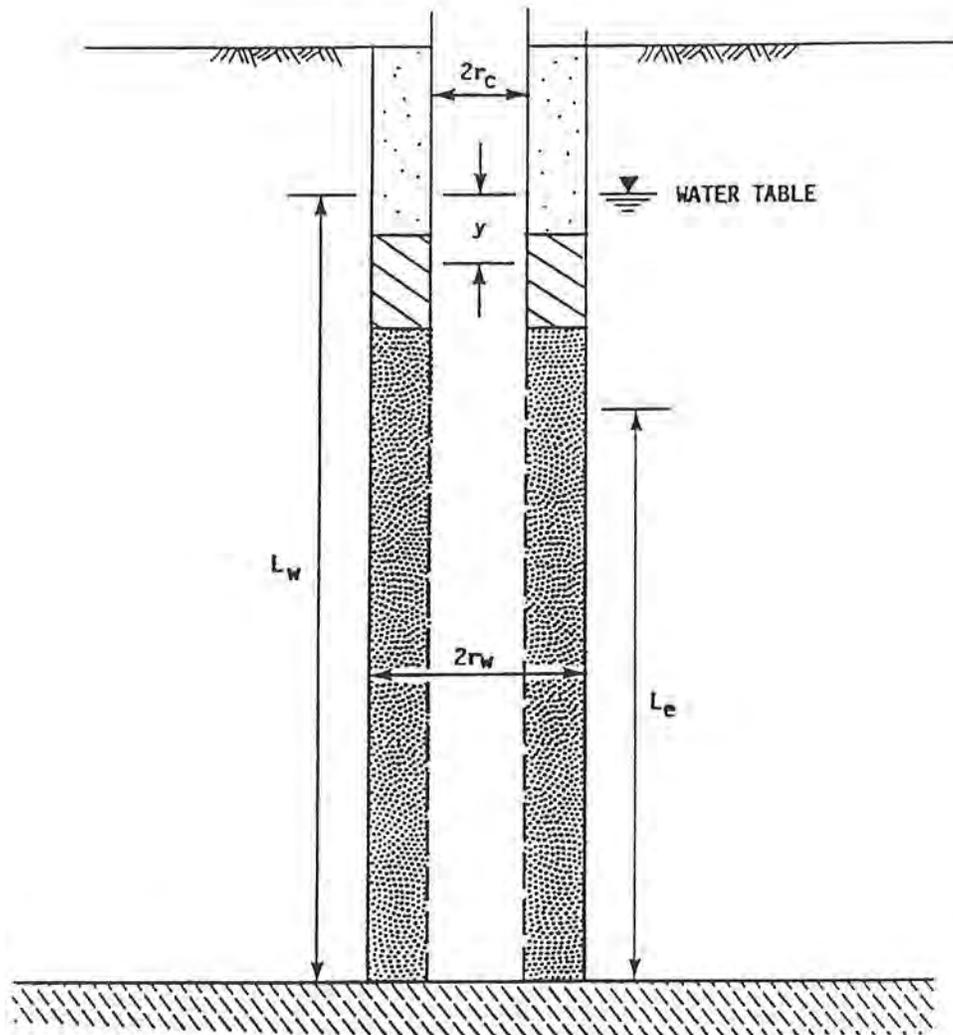
Thomas et al. (1961) has published typical values of transmissivity for the various hydrogeologic units in the West Coast Basin and has contoured these values over the majority of the basin. From these maps and from the thickness values cited above, estimates of hydraulic conductivity of the groundwater aquifers beneath the site have been made. The Lynwood and Silverado Aquifers are estimated to have hydraulic conductivities of approximately 135 and 85 feet/day respectively beneath the site. The Silverado yields the largest quantities of water to municipal pumping wells in the area because of its great thickness. However, many wells screened in the Silverado are also screened in the overlying Lynwood. The Gage is unimportant in the area as a producing aquifer because of poor regional water quality and low well yields.

4.2.2.4 BELLFLOWER SLUG TESTS

For the purpose of obtaining representative values of horizontal hydraulic conductivity in the Bellflower, slug tests were performed at eight monitoring wells in the Bellflower surrounding the Gardena Valley 1 & 2 Landfill. Tests were performed on three wells screened near the water-table surface (upper zone), two wells near the center of the unit (middle zone), and three wells screened near the bottom of the unit (lower zone). Because the Bellflower beneath this site typically contains interbedded clay, silt, and sand, some intervals were expected to display significantly higher hydraulic conductivities than others. Therefore, an attempt was made during well construction to screen each middle zone well in the highest conductivity interval between the upper and lower zone wells because these units are thought to have the greatest potential for the transmission of contaminants laterally from the site. The lower zone wells were screened in the highest permeability layer near the bottom of the unit, and the upper zone wells were screened at the water table regardless of the lithology. Therefore, the wells screened in the lower and upper zones of the unit were expected to display the intermediate and lowest hydraulic conductivities within the Bellflower, respectively. Because of the interbedded nature of the stratigraphy beneath the site, these lower conductivity values may be more indicative of the potential for vertical transport of contaminants from the site.

The slug test data obtained from the Bellflower wells during this investigation were interpreted using the method of Bouwer and Rice (1976) that is based on the Thiem equation for radial flow of water toward a well under unconfined conditions when the static groundwater table around the well is instantaneously lowered or raised a specific distance. The Bouwer and Rice method was employed because the method was designed to be used in units that occur under unconfined conditions and because the method provides for interpretation under variable aquifer conditions and well configurations. Geometry and symbols for a monitoring well in an unconfined aquifer are given in Figure 4-10. The hydraulic conductivity (K) of an unconfined aquifer when the static water level is instantaneously lowered or raised a distance (y) is given as:

$$K = \left[\frac{r_c^2 \times \ln(R_c / r_w)}{2L_c} \right] \times \left[\frac{1}{t} \ln(y_o / y_t) \right] \quad (1)$$



REFER TO TEXT FOR DESCRIPTION OF VARIABLES
BOUWER AND RICE METHOD (1989)

FIGURE 4-10



[714] 860-7777

BRYAN A. STIRRAT & ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**GEOMETRY AND SYMBOLS FOR A SLUG
TEST ANALYSIS ON A FULLY PENETRATING,
PARTIALLY SCREENED WELL
IN AN UNCONFINED AQUIFER**

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where;

r_c is the inside radius of the casing,

R_e is the radial distance over which the drawdown is dissipated,

r_w is the radius of the borehole in which the well was constructed,

L_e is the saturated length of the screened interval,

L_w is the distance from the static water table to the bottom of the borehole,

y_0 is the water level at time zero, and

y_t is the water level at time (t) after time zero.

In the following discussion the interpretation will be explained in reference to a rising head test. However, all principals are equally valid for a falling head test if the well is sealed below the water table (Bouwer, 1989). Therefore, during this investigation, falling head tests were only performed at wells that were screened in the middle and lower zones.

When drawdown occurs in the screened interval, as it did during the tests conducted during this investigation at GW-4A, -6A, and -7A, an adjustment in the casing diameter used in equation (1) above must be made to account for the thickness and porosity of the filter pack. This adjustment is given as:

$$r_c(a) = [r_c^2 + n(r_w^2 - r_c^2)]^{1/2} \quad (2)$$

where r_c and r_w are defined above, n is the porosity of the filter pack (assumed 0.3), and $r_c(a)$ is the adjusted casing radius for substitution into equation (1).

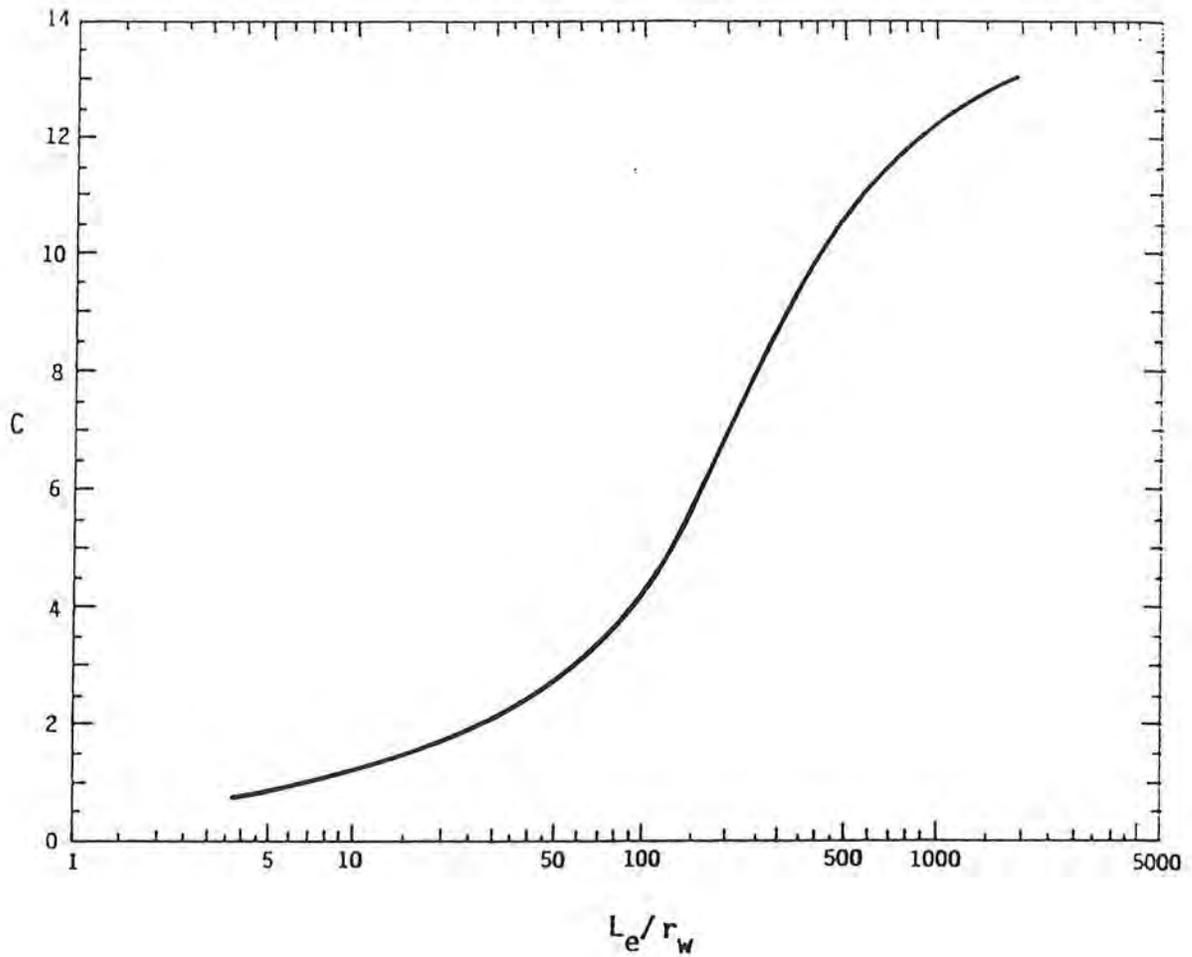
When the bottom of the screened interval is at the bottom of the hydrogeologic unit being tested, the value $\ln(R_e/r_w)$ is given as:

$$\ln(R_e/r_w) = ([1.1 / \{\ln(L_w/r_w)\}] + C / (l_c/r_w))^{-1} \quad (3)$$

where R_e , r_w , L_w , L_e are as previously defined, and C is an empirical dimensionless parameter that has been determined experimentally (Bouwer and Rice, 1976). Practically, C is determined for substitution into equation (3) by calculating the ratio of L_e/r_w and finding the corresponding value of C using the graph in Figure 4-11.

The assumption that the bottom of the screen is at the bottom of the hydrogeologic unit being tested is considered valid for the tests conducted during this investigation because horizontally oriented layers of interbedded, relatively low and high permeability units were typically encountered during drilling. Essentially all of the water entering a well during a slug test is received from the higher permeability units within the screened interval. Because low permeability units below the screened interval tend to impede the upward vertical movement of water during tests, vertical leakage from beneath the screened interval is considered insignificant.

For the purpose of interpretation, time versus drawdown data are plotted on semi-logarithmic paper with drawdown on the logarithmic axis as shown on Figure 4-12. In wells that are sealed above the water table, early time data tend to be affected by water released from the filter pack. This effect results in the initial straight portion of the graph. In all wells, late time data are increasingly influenced by the drawdown of the water table around the well. This is expressed in the later curved portion of the graph. The optimal data is the second straight portion of the graph occurring before the graph begins to curve. The value of $(1/t)\{\ln(y_0/y_t)\}$ for substitution into equation (1) is then determined by taking the slope of the best fit straight line over the optimal data interval. For the purposes of these slug tests, the optimal data interval was determined visually from the graph described above, and a linear regression routine was used to determine the best fit line over that interval. Graphs of time versus drawdown and the optimum interval best fit straight line for each of the slug tests performed during this investigation are given in Appendix A7. The K 's, along with calculated parameters used in the determination of these values, are given in Table 4-1.



REFER TO TEXT FOR DESCRIPTION OF VARIABLES
 BOWER AND RICE METHOD (1989)

FIGURE 4-II



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

GRAPH SHOWING
 DIMENSIONLESS PARAMETER C AS A
 FUNCTION OF L_e/r_w FOR
 CALCULATION OF $\ln(R_e/r_w)$

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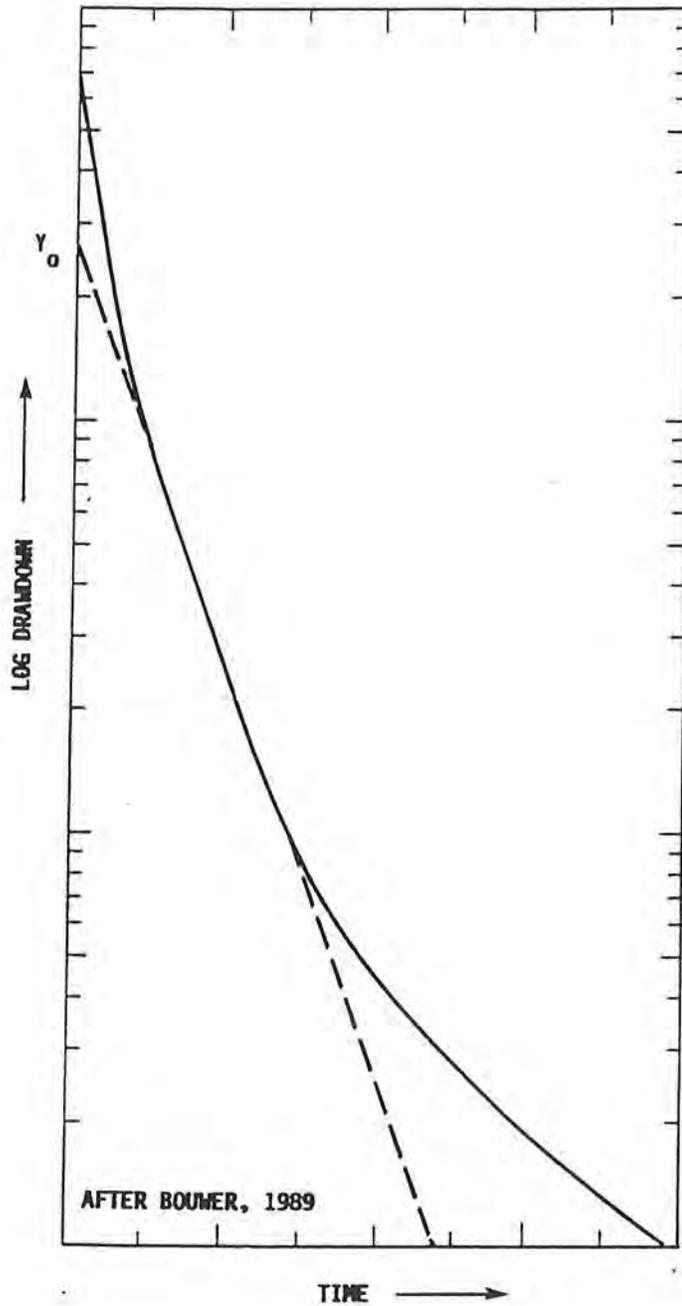


FIGURE 4-12



(714) 860-7777

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 CIVIL AND ENVIRONMENTAL ENGINEERS
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SCHMATIC OF TIME VERSUS DRAWDOWN
 FOR A SLUG TEST PERFORMED ON A WELL
 THAT IS SEALED ABOVE THE WATER TABLE

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As was expected, at the two three-well nests (locations 4 and 7), the highest values of K were obtained from the interpretation of slug tests performed in the wells screened in the sandy intervals within the middle zone. Also as expected, the lowest values were obtained from wells screened in the upper zone, and wells screened in the lower zone yielded intermediate values of K. At the one cluster where only two wells were constructed (location 6) the highest and lowest values of K were found in the upper and lower zone wells, respectively. The lowest Bellflower K value at the site (0.05 feet/day) was interpreted from the rising head test at GW-7A and the highest value at the site (17.52 feet/day) from the rising head test at GW-7B. This is a variation of slightly more than two orders of magnitude within the Bellflower.

Wells screened in the middle and lower zones exhibited comparable values of K between nests. Middle zone values ranged from 14.80 to 17.52 feet/day, and lower zone values ranged from 1.13 to 4.95 feet/day. In the upper zone all values were relatively low; however, these K values did show a maximum variability of nearly two orders of magnitude (0.05 to 2.13 feet/day).

At the five wells where both rising and falling head tests were performed, hydraulic conductivities were very comparable between methods. All interpreted values of K from an individual well were within the same order of magnitude. The minimum and maximum relative percent difference (RPD) between values obtained using the two methods at the same well were 1 and 10 percent respectively with the average RPD being 4 percent.

4.2.2.5 GAGE AQUIFER SLUG TESTS

Slug tests were also performed on the three wells (GW-4D, -6D, and -7D) installed in the Gage Aquifer during the investigation. The slug test data obtained from the Gage wells were analyzed using both the Bouwer and Rice Method (Bouwer and Rice, 1976) and the Cooper Method (Cooper, et al 1967). The Cooper Method is designed for confined aquifers and incorporates the following assumptions:

- o Aquifer has infinite areal extent;
- o Aquifer is homogeneous, isotropic, and of uniform thickness;
- o Aquifer potentiometric surface is initially horizontal;
- o A volume of water is injected into or discharged from the well instantaneously;
- o The test well is fully penetrating the aquifer;
- o The flow to the well is horizontal;
- o Aquifer is confined;
- o Flow is transient;
- o Water is released instantaneously from storage with a decline in hydraulic head, and,
- o The diameter of the pumping well is very small so that storage in the well can be neglected.

The ratio of the measured head to the head following the instantaneous insertion or removal of the slug (H/H_0) versus time is plotted on semi-logarithmic paper with time on the logarithmic axis. Calculating the transmissivity is based on:

$$H / H_0 = F(n, \mu)$$

where: $n = Tt / r_c^2$

$$\mu = r_s^2 S / r_c^2$$

and:

- T = transmissivity
- t = time
- r_c = radius of casing
- S = storativity
- r_s = effective radius of screen or open hole

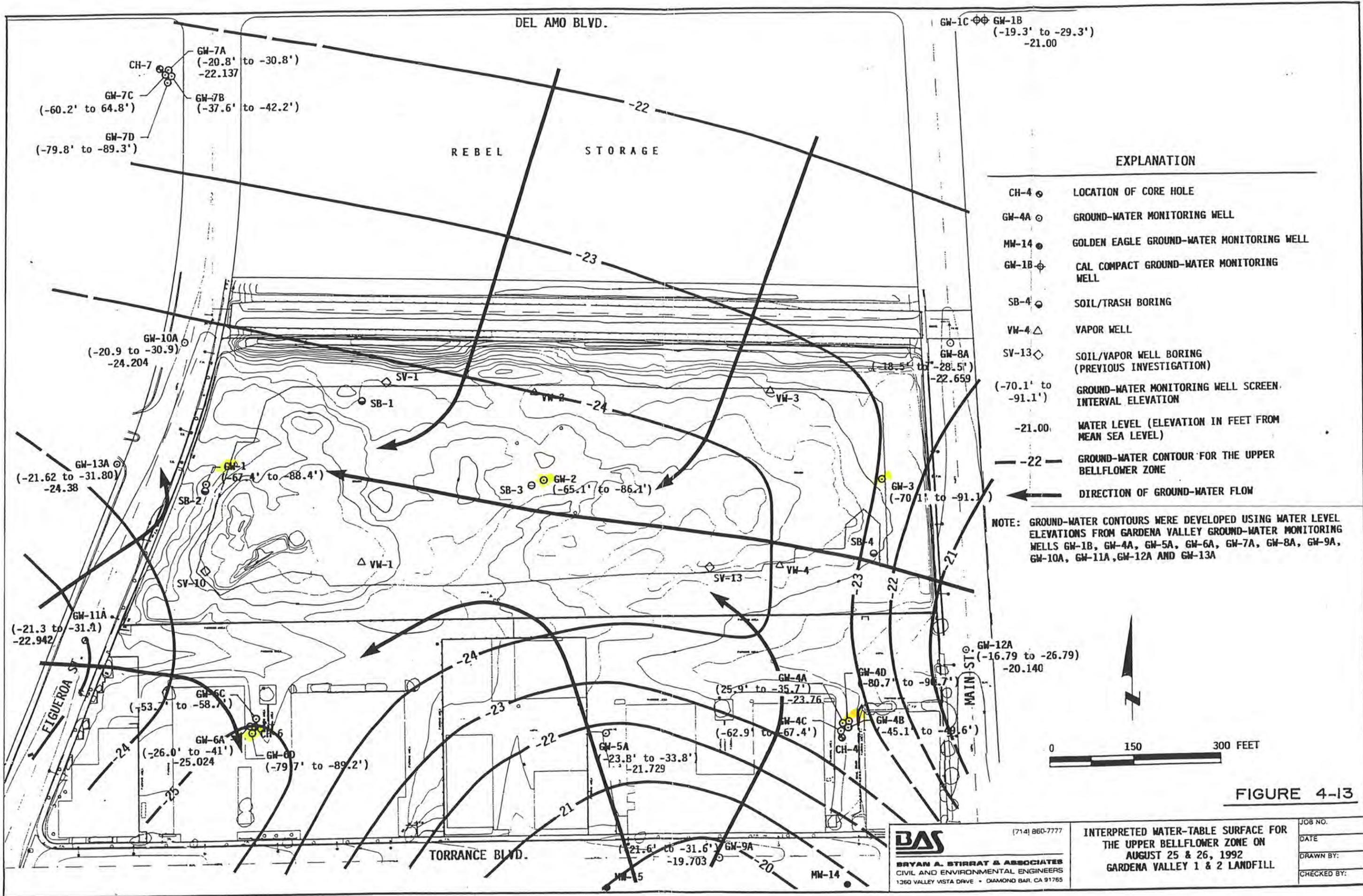
Values of the function $F(u, \mu)$ are tabulated as a series of type curves. The field data is overlain on, and matched to the type curve which has the same curvature.

The $H/H_0 = 1$ value for the field data is matched to the $H/H_0 = 1$ value for the type curve and the vertical axis value of t_1 , is selected where $Tt/r_c^2 = 1$. The transmissivity is then calculated from the following equation:

$$T = \frac{1.0 r_c^2}{t_1}$$

The assumption of a fully penetrating well is not met with the wells installed in the Gage Aquifer onsite. Thus, the conditions for using the Cooper Method of analysis are not completely met. The Bouwer and Rice Method, which was originally designed for use in unconfined aquifers, provides reasonably accurate values of hydraulic conductivity in semi-confined and confined aquifers (Bouwer, 1989). Theoretically, the Bouwer and Rice Method applies to aquifers where the upper boundary is a plane source (using water-level test) as in an unconfined aquifer. However, because most of the head difference between the static water table and the water level in the well is dissipated in the vicinity of the well around the screen or perforated section, the method should also be applicable to situations where the upper boundary of the aquifer is an impermeable or semi-permeable plane, i.e., impermeable or semi-permeable upper confining layer.

The DTSC requested that two analyses methods be used for calculating the hydraulic conductivity for the Gage Aquifer considering the ideal well configuration was not completely met by the Bouwer and Rice Method. Thus, the Cooper Method was also used even though the assumption of a fully penetrating well was not met. Per the request of the DTSC the values of hydraulic conductivity derived from these two methods were compared. The results of these analyses are shown in Table 4-2.



| EXPLANATION | |
|--------------------|--|
| CH-4 ⊙ | LOCATION OF CORE HOLE |
| GW-4A ⊙ | GROUND-WATER MONITORING WELL |
| MW-14 ⊙ | GOLDEN EAGLE GROUND-WATER MONITORING WELL |
| GW-1B ⊕ | CAL COMPACT GROUND-WATER MONITORING WELL |
| SB-4 ⊙ | SOIL/TRASH BORING |
| VW-4 △ | VAPOR WELL |
| SV-13 ◇ | SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION) |
| (-70.1' to -91.1') | GROUND-WATER MONITORING WELL SCREEN INTERVAL ELEVATION |
| -21.00 | WATER LEVEL (ELEVATION IN FEET FROM MEAN SEA LEVEL) |
| -22 | GROUND-WATER CONTOUR FOR THE UPPER BELLFLOWER ZONE |
| ← | DIRECTION OF GROUND-WATER FLOW |

NOTE: GROUND-WATER CONTOURS WERE DEVELOPED USING WATER LEVEL ELEVATIONS FROM GARDENA VALLEY GROUND-WATER MONITORING WELLS GW-1B, GW-4A, GW-5A, GW-6A, GW-7A, GW-8A, GW-9A, GW-10A, GW-11A, GW-12A AND GW-13A

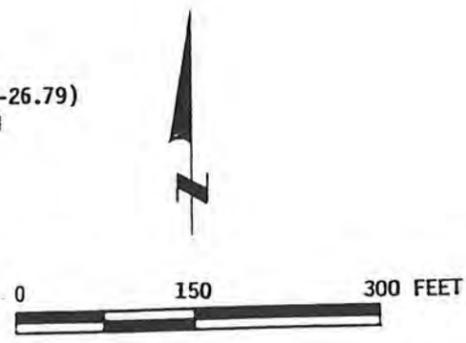
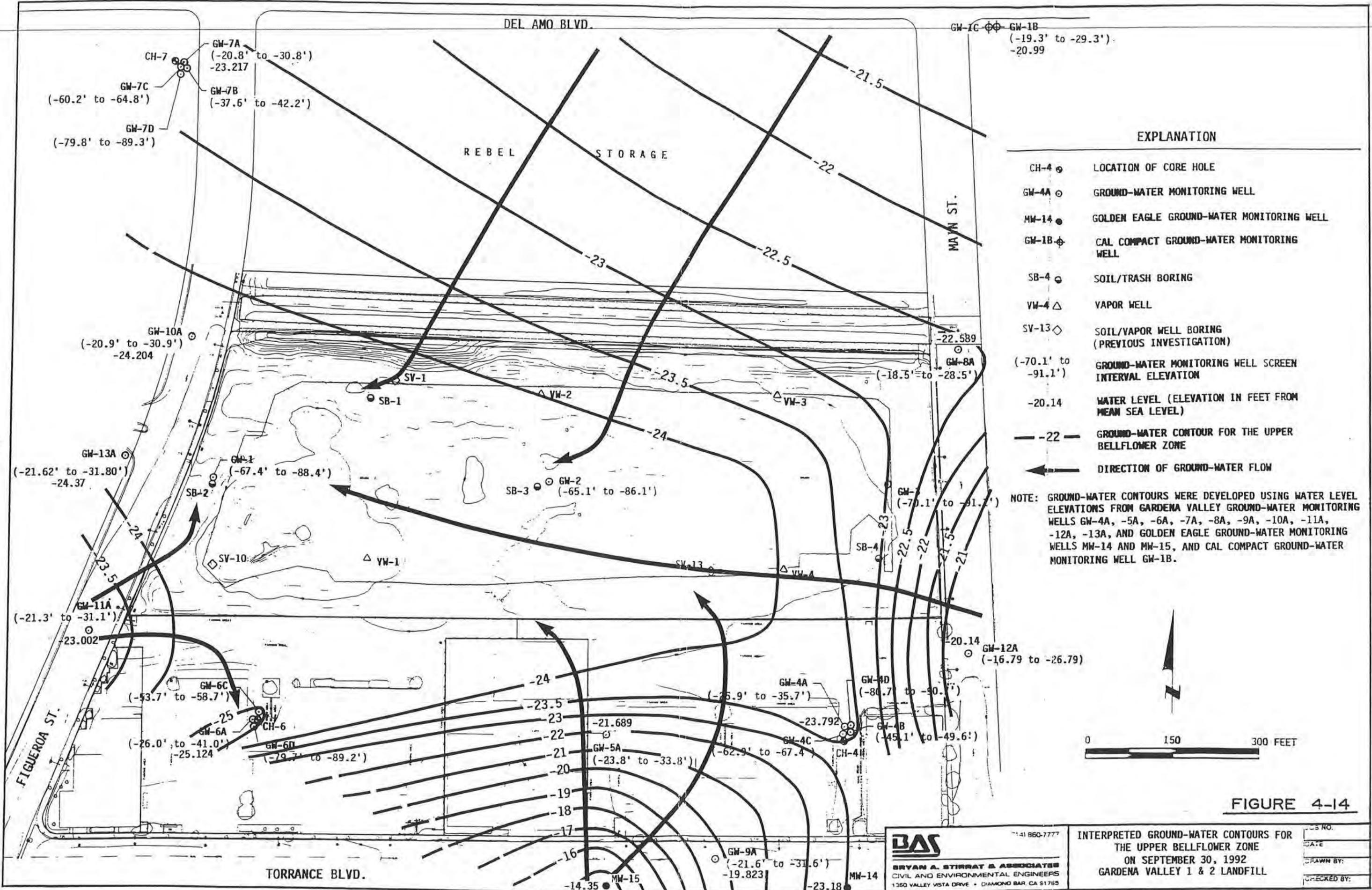


FIGURE 4-13

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 CIVIL AND ENVIRONMENTAL ENGINEERS
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 (714) 860-7777

INTERPRETED WATER-TABLE SURFACE FOR THE UPPER BELLFLOWER ZONE ON AUGUST 25 & 26, 1992
 GARDENA VALLEY 1 & 2 LANDFILL

| |
|-------------|
| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



EXPLANATION

- CH-4 ● LOCATION OF CORE HOLE
- GW-4A ○ GROUND-WATER MONITORING WELL
- MW-14 ● GOLDEN EAGLE GROUND-WATER MONITORING WELL
- GW-1B ⊕ CAL COMPACT GROUND-WATER MONITORING WELL
- SB-4 ○ SOIL/TRASH BORING
- VW-4 △ VAPOR WELL
- SV-13 ◇ SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION)
- (-70.1' to -91.1')
- 20.14 WATER LEVEL (ELEVATION IN FEET FROM MEAN SEA LEVEL)
- -22 - - GROUND-WATER CONTOUR FOR THE UPPER BELLFLOWER ZONE
- ← DIRECTION OF GROUND-WATER FLOW

NOTE: GROUND-WATER CONTOURS WERE DEVELOPED USING WATER LEVEL ELEVATIONS FROM GARDENA VALLEY GROUND-WATER MONITORING WELLS GW-4A, -5A, -6A, -7A, -8A, -9A, -10A, -11A, -12A, -13A, AND GOLDEN EAGLE GROUND-WATER MONITORING WELLS MW-14 AND MW-15, AND CAL COMPACT GROUND-WATER MONITORING WELL GW-1B.

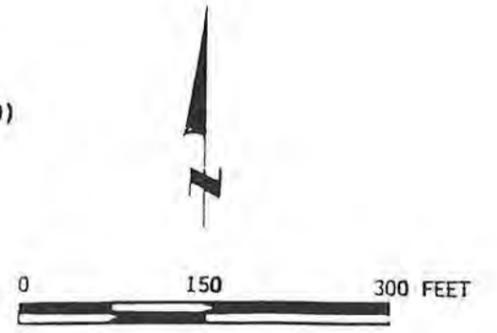
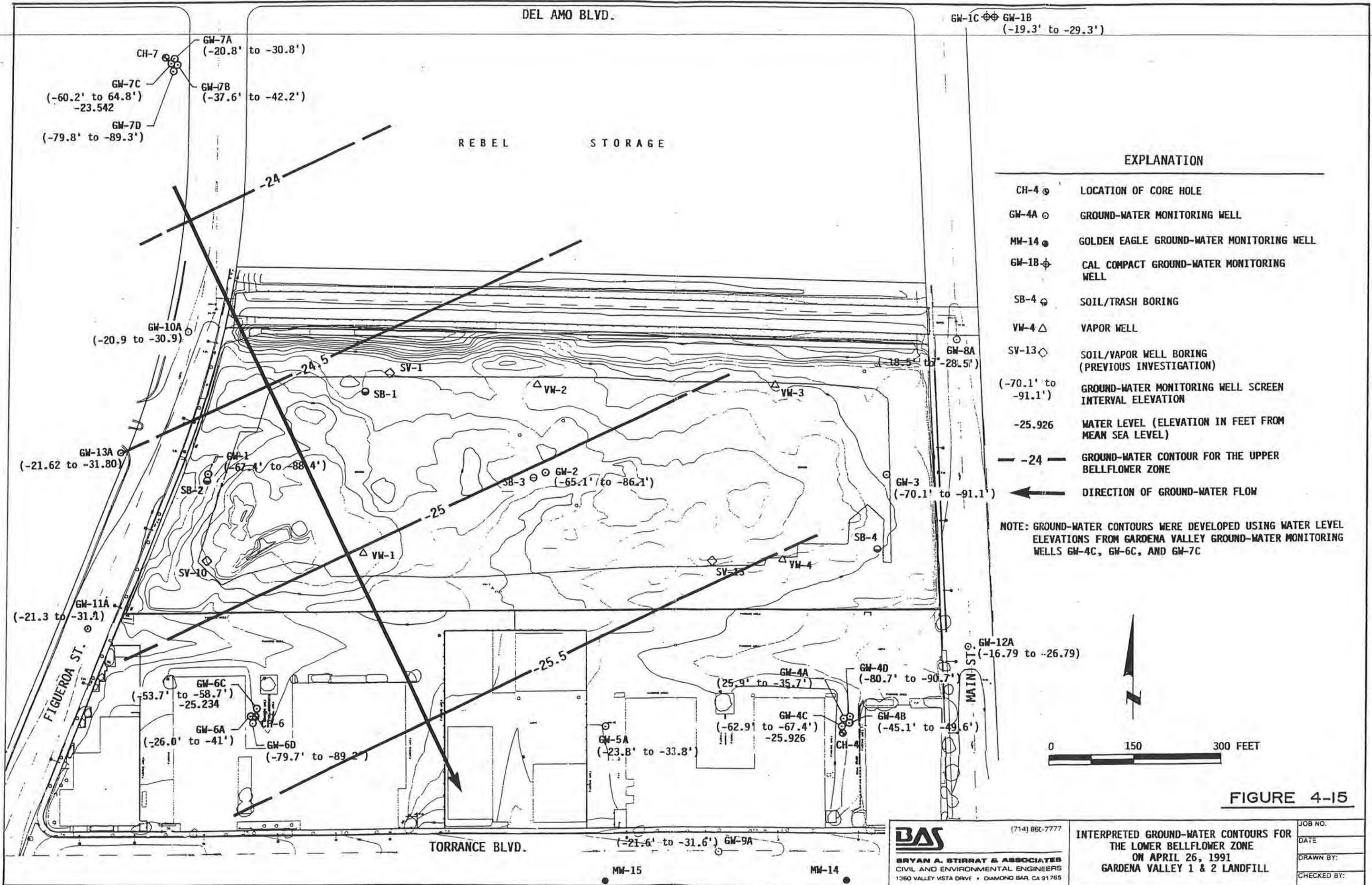


FIGURE 4-14

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 TEL: 860-7777

| | |
|---|---|
| INTERPRETED GROUND-WATER CONTOURS FOR THE UPPER BELLFLOWER ZONE ON SEPTEMBER 30, 1992 GARDENA VALLEY 1 & 2 LANDFILL | PLS NO. DATE DRAWN BY: CHECKED BY: |
|---|---|



EXPLANATION

- CH-4 ⊙ LOCATION OF CORE HOLE
- GW-4A ⊙ GROUND-WATER MONITORING WELL
- MW-14 ⊙ GOLDEN EAGLE GROUND-WATER MONITORING WELL
- GW-1B ⊕ CAL COMPACT GROUND-WATER MONITORING WELL
- SB-4 ⊙ SOIL/TRASH BORING
- VW-4 △ VAPOR WELL
- SV-13 ⊕ SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION)
- (-70.1' to -91.1') GROUND-WATER MONITORING WELL SCREEN INTERVAL ELEVATION
- 25.926 WATER LEVEL (ELEVATION IN FEET FROM MEAN SEA LEVEL)
- 24 — GROUND-WATER CONTOUR FOR THE UPPER BELLFLOWER ZONE
- ← DIRECTION OF GROUND-WATER FLOW

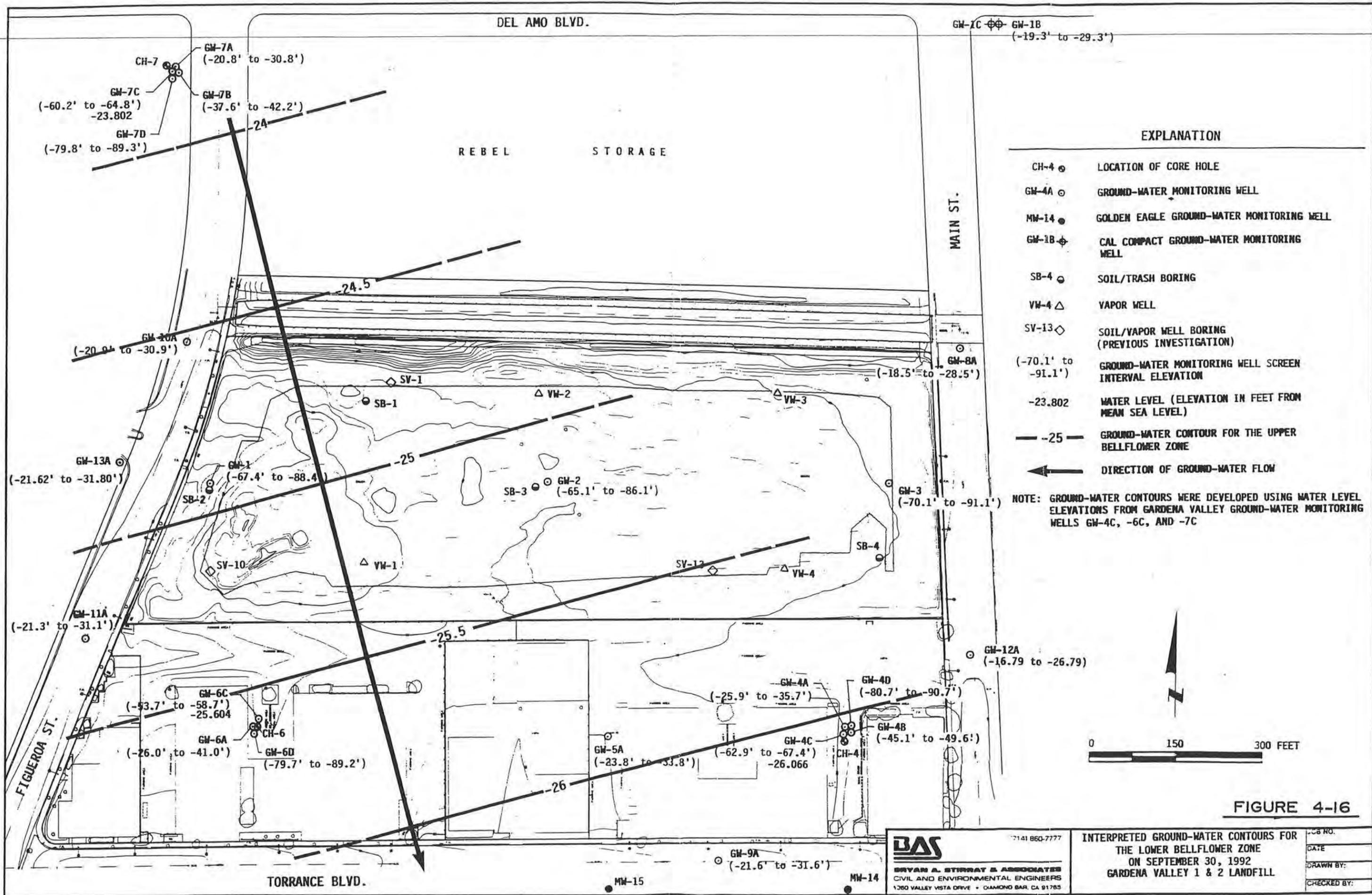
NOTE: GROUND-WATER CONTOURS WERE DEVELOPED USING WATER LEVEL ELEVATIONS FROM GARDENA VALLEY GROUND-WATER MONITORING WELLS GW-4C, GW-6C, AND GW-7C

FIGURE 4-15

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 BRYAN A. STIRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765
 (714) 866-7777

INTERPRETED GROUND-WATER CONTOURS FOR THE LOWER BELLFLOWER ZONE ON APRIL 26, 1991 GARDENA VALLEY 1 & 2 LANDFILL

| |
|-------------|
| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



EXPLANATION

- CH-4 ● LOCATION OF CORE HOLE
- GW-4A ● GROUND-WATER MONITORING WELL
- MW-14 ● GOLDEN EAGLE GROUND-WATER MONITORING WELL
- GW-1B ⊕ CAL COMPACT GROUND-WATER MONITORING WELL
- SB-4 ● SOIL/TRASH BORING
- VW-4 △ VAPOR WELL
- SV-13 ◇ SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION)
- (-70.1' to -91.1')
- 23.802 WATER LEVEL (ELEVATION IN FEET FROM MEAN SEA LEVEL)
- 25 — GROUND-WATER CONTOUR FOR THE UPPER BELLFLOWER ZONE
- ← DIRECTION OF GROUND-WATER FLOW

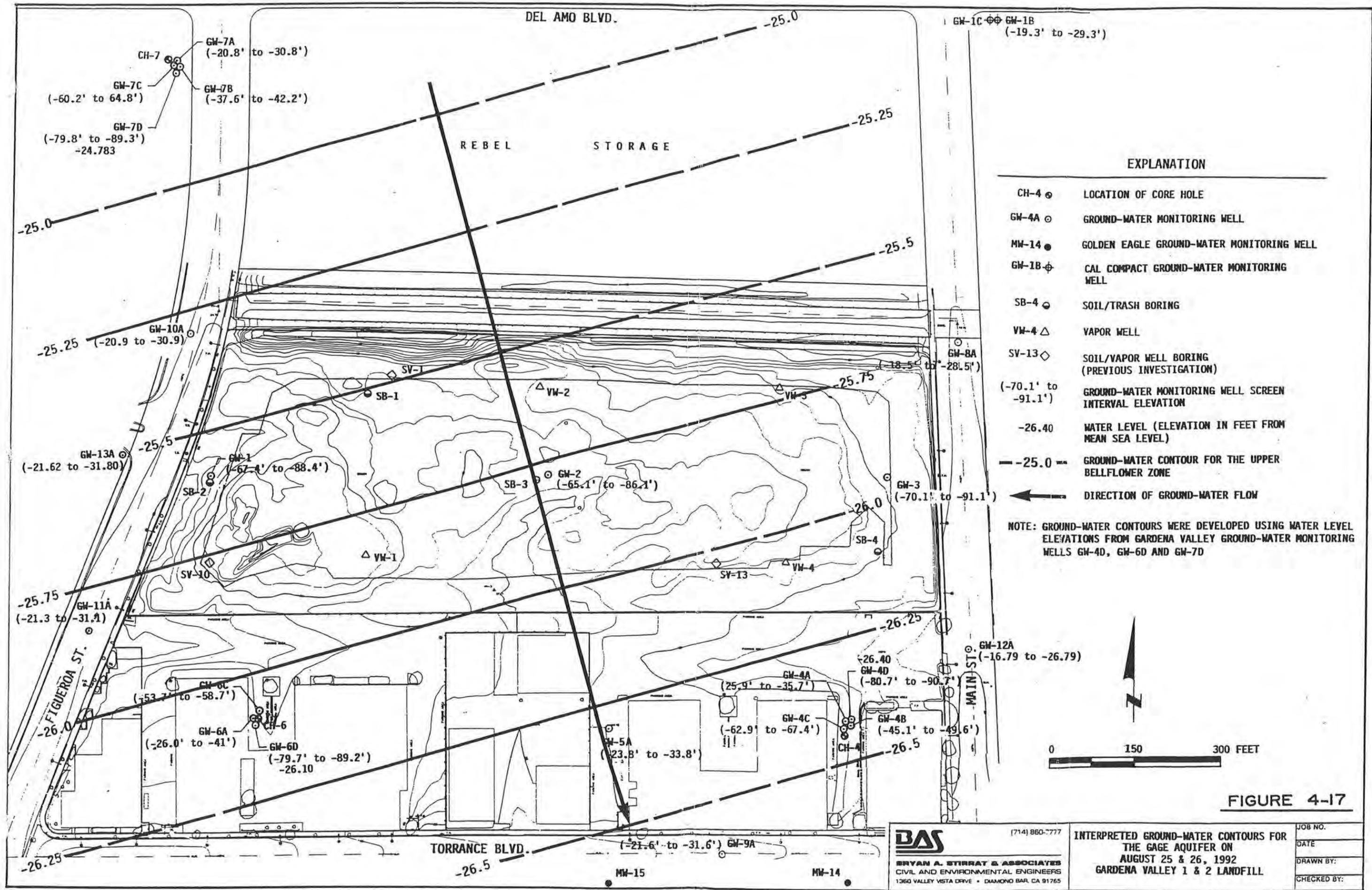
NOTE: GROUND-WATER CONTOURS WERE DEVELOPED USING WATER LEVEL ELEVATIONS FROM GARDENA VALLEY GROUND-WATER MONITORING WELLS GW-4C, -6C, AND -7C

FIGURE 4-16

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 BRYAN A. STURAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1300 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765
 7141 860-7777

INTERPRETED GROUND-WATER CONTOURS FOR THE LOWER BELLFLOWER ZONE ON SEPTEMBER 30, 1992 GARDENA VALLEY 1 & 2 LANDFILL

| |
|-------------|
| PROJECT NO. |
| DRAWN BY: |
| CHECKED BY: |



EXPLANATION

| | |
|--------------------|--|
| CH-4 ⊙ | LOCATION OF CORE HOLE |
| GW-4A ⊙ | GROUND-WATER MONITORING WELL |
| MW-14 ● | GOLDEN EAGLE GROUND-WATER MONITORING WELL |
| GW-1B ⊕ | CAL COMPACT GROUND-WATER MONITORING WELL |
| SB-4 ⊙ | SOIL/TRASH BORING |
| VW-4 △ | VAPOR WELL |
| SV-13 ◇ | SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION) |
| (-70.1' to -91.1') | GROUND-WATER MONITORING WELL SCREEN INTERVAL ELEVATION |
| -26.40 | WATER LEVEL (ELEVATION IN FEET FROM MEAN SEA LEVEL) |
| -25.0 - - | GROUND-WATER CONTOUR FOR THE UPPER BELLFLOWER ZONE |
| ← | DIRECTION OF GROUND-WATER FLOW |

NOTE: GROUND-WATER CONTOURS WERE DEVELOPED USING WATER LEVEL ELEVATIONS FROM GARDENA VALLEY GROUND-WATER MONITORING WELLS GW-4D, GW-6D AND GW-7D

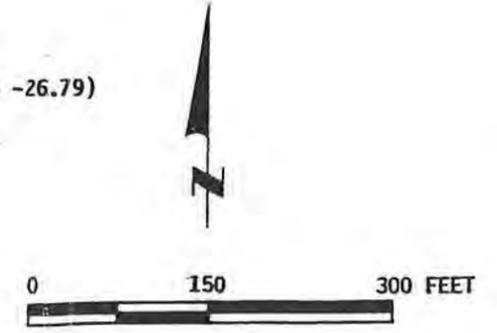


FIGURE 4-17

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 BRYAN A. STIRRAAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765
 (714) 860-7777

INTERPRETED GROUND-WATER CONTOURS FOR THE GAGE AQUIFER ON AUGUST 25 & 26, 1992
 GARDENA VALLEY 1 & 2 LANDFILL

| |
|-------------|
| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |

In general, the Bouwer and Rice analyses yielded hydraulic conductivity values that were slightly less than one-half of the values obtained from the Cooper analyses. The lowest hydraulic conductivity value obtained from the Gage Wells was derived from the Bouwer and Rice analyses of the bail test on GW-4D (6.2×10^{-1} feet/day). The highest value was derived from the Cooper Method analyses of the bail test on GW-6D (38.9 feet/day).

4.2.2.6 SHALLOW GROUNDWATER FLOW SYSTEM

Water level measurements were obtained at each of the existing groundwater wells at the Gardena Valley 1 & 2 Landfill for the purpose of evaluating the groundwater flow system beneath the site within the Bellflower. Water-level measurements were also taken on the three newly installed groundwater wells within the Gage Aquifer to evaluate its flow regime. Figures 4-13 and 4-14 are potentiometric maps of the upper Bellflower taken on August 25, and 26, 1992, and September 30, 1992, respectively. Figures 4-15 and 4-16 display the potentiometric surface of the lower Bellflower taken on April 16, 1991, and September 30, 1992, respectively. Finally, Figures 4-17 and 4-18 show the interpreted potentiometric surface of the Gage Aquifer taken on August 25, and 26, 1992, and September 30, 1992, respectively. Previous studies in the area have reported the shallow groundwater flow direction to be generally to the southeast (Ecology and Environment, 1989) (R.L. Stollar and Associates, 1990). Based on water levels obtained on September 30, 1992, from the 13 wells screened in the shallow zone, the local shallow groundwater flow direction appears to be generally to the west. However, water levels at Wells GW-5A, -9A, -11A, -12A appear somewhat anomalous (Figure 4-14). Well MW-15 had the highest water level measured during the survey and is expressed as a mound on the potentiometric map which includes Wells GW-5A, -9A, and MW-14. The water level at Well GW-4A consistently has been over two feet higher than the water levels measured in the wells screened in the middle and lower zones at that location since the recording of water-level elevations commenced in March 1990 for this field investigation. Bright & Associates (1985(b)) reported a similar groundwater mound in the northeastern portion of the Golden Eagle Refinery site located immediately south of the Gardena Valley 1 & 2 Landfill. This area is very near the location of Wells GW-4A, -5A, and -9A. Historically, this area of the Golden Eagle site was covered by a surface impoundment of

water and treated refinery waste (Bright & Associates, 1985(a)). After 1950, treated wastewater was reportedly discharged to county sewer systems (Bright & Associates, 1985(a)). However, the impoundment is clearly visible on aerial photographs from 1957 and may have periodically collected rainfall runoff from the refinery until the site was demolished beginning in 1985. Prior to lining the Dominguez Channel in 1964, this area also received periodic flooding. The anomalously high water levels measured in Wells GW-4A, -5A, and -9A may result from remnant perched water that historically infiltrated from this surface impoundment. Water-level measurements taken in August and September 1991, and in January and September 1992, from two additional Golden Eagle Refinery wells MW-14 and MW-15, installed south of the Gardena Valley 1 & 2 site along Torrance Boulevard, confirm the existence of this mound which is centered around well MW-15. Two other mounds occur along the periphery of the site, around wells GW-11A and GW-12A located in the southwest and southeast corners of the Gardena Valley 1 & 2 site, respectively. One potential source investigated was leaking sewer lines. However, boreholes drilled by BAS along Torrance Boulevard near potential sewer line cracks depicted from county camera runs along the sewer lines, indicated no saturated soil or odors present around the sewer lines. Anomalous water levels may result from water in storm drains leaking into surrounding sediments and gradually infiltrating to the water table. However, it is more likely that the heterogeneous nature of the Bellflower beneath the site results in differential infiltration rates and local perching of water near the water table.

Contours of September 30, 1992, water levels in the three wells screened in the lower zone of the Bellflower at the Gardena site indicate the local groundwater flow direction is approximately south 15 degrees east. Because this flow direction more closely resembles the regional shallow groundwater flow direction, it is interpreted that potentiometric surfaces of the middle and lower zones are more indicative of the true local shallow groundwater flow regime. Water levels recorded on September 30, 1992, from the Gage Aquifer wells indicate a groundwater flow direction of south 22 degrees east.

The horizontal average linear velocity of groundwater beneath the site may be estimated using the following expression:

$$v = (K \times dh / dl) / n \quad (4)$$

where K is the hydraulic conductivity, n is the porosity of the aquifer material (assumed 0.3), v is the horizontal average linear velocity of groundwater, and dh/dl is the horizontal hydraulic gradient of groundwater. Based on the potentiometric surface of the lower zone (Figure 4-16), the horizontal hydraulic gradient of the Bellflower is approximately 1.61×10^{-3} (consistent units). Using this value for the hydraulic gradient and using the minimum and maximum hydraulic conductivity values interpreted from Bellflower slug tests, a range of horizontal average linear velocity values in the Bellflower beneath the site would be 2.68×10^{-4} feet/day to 9.40×10^{-2} feet/day. If the higher conductivity units of the middle zone are continuous beneath the site, these units would be expected to transport most of the groundwater laterally from the site. The higher value cited above is, therefore, interpreted to be more indicative of the potential of the Bellflower to transport contaminants horizontally from the site.

Based on the potentiometric surface of the Gage Aquifer (Figure 4-18), the horizontal hydraulic gradient of the Gage Aquifer is approximately 1.14×10^{-3} (consistent units). Using this gradient and the lowest and highest hydraulic conductivity values obtained from the Gage Aquifer slug tests, the horizontal average linear velocity values in the Gage Aquifer beneath the site could range from 2.35×10^{-3} feet/day to 1.48×10^{-1} feet/day. Again, the highest value cited can be interpreted as the potential of the Gage Aquifer to transport possible contaminants from the site due to the fact that groundwater preferentially flows in the most conductive units. Thus, using this highest horizontal average linear velocity, it would take a minimum of approximately 8.2 years for contaminants found in the Gage Aquifer at Well GW-1 to be transported downgradient to Well GW-6D. This calculation was also performed using water-level data from August 25, and 26, 1992, resulting in a value of 8.0 years.

The three well clusters constructed at the site during the current investigation were also used to determine the vertical hydraulic gradient between the upper, middle, and lower zones of the Bellflower and between the upper and lower Bellflower and Gage Aquifer and hence the potential for transport of contaminants vertically from the site. The calculated vertical gradients within each nest are given in Table 4-3.

In homogeneous, unconsolidated, sedimentary groundwater units, the horizontal to vertical anisotropy of hydraulic conductivity is typically on the order of 10:1. This is primarily due to the preferential horizontal orientation of mica grains as they are deposited in a sedimentary environment (Freeze and Cherry, 1979). However, in layered heterogeneous systems, such as that found in the Bellflower during this investigation, the overall system tends to react to vertical head differences as a single homogeneous unit with a horizontal to vertical anisotropy of hydraulic conductivity on the order of 100:1 or greater (Freeze and Cherry, 1979). During a recent investigation at a site located less than a mile from the Gardena Valley 1 & 2 Landfill, RLSA (1989) reported an average horizontal to vertical anisotropy of approximately 500:1 in shallow groundwater units. For the purposes of calculating the vertical velocity of groundwater movement in the Bellflower beneath the Gardena Valley 1 & 2 Landfill a conservative estimate of 100:1 will be employed. Using this ratio, and using the range of horizontal hydraulic conductivity values determined from slug tests and the total vertical hydraulic gradient values calculated from water level measurements, a range of vertical average linear velocity values have been calculated for each well nest. These values are given in Table 4-4.

Based on an average among well nests GW-4, -6, and -7, the centers of the screened intervals in the Gage Aquifer are approximately 60.86 feet below the unconfined water table within the Bellflower. Therefore, using these vertical distances and the values given in Table 3-4, a unit volume of groundwater would require an average period of 10.1 years to travel from the water table to the centers of the screened intervals within the Gage Aquifer beneath the site. In a layered heterogeneous system such as that encountered beneath this site, the

TABLE 4-3
VERTICAL HYDRAULIC GRADIENT (1) AT
EXISTING MONITORING WELL NESTS
GARDENA VALLEY 1 & 2 LANDFILL
CARSON, CALIFORNIA

| INTERVAL FOR GRADIENT CALCULATION | GW-4 | GW-6 | GW-7 |
|-----------------------------------|--------|--------|--------|
| Upper/Middle | 0.1341 | * | 0.0267 |
| Middle/Lower | 0.003 | * | 0.0092 |
| Upper/Lower | 0.0662 | 0.0211 | 0.0159 |
| Lower/Gage | 0.0231 | 0.0176 | 0.0468 |
| Upper/Gage | 0.0501 | 0.0192 | 0.0275 |

(1) Consistent units.

(GVGWRI:TBL43:9175:11-3-92)

* No middle zone well.

TABLE 4-4
RANGE OF INTERPRETED
VERTICAL AVERAGE
LINEAR VELOCITY VALUES
BETWEEN THE UPPER BELLFLOWER
AND GAGE AQUIFER
GARDENA VALLEY 1 & 2 LANDFILL
CARSON, CALIFORNIA

| WELL LOCATION | INTERPRETED VERTICAL AVERAGE LINEAR VELOCITY VALUES | |
|------------------|---|-----------------------|
| | MINIMUM | MAXIMUM |
| GW-4 | 1.45×10^{-3} | 3.54×10^{-2} |
| GW-6 | 9.54×10^{-3} | 2.63×10^{-2} |
| GW-7 | 4.55×10^{-3} | 2.16×10^{-2} |

(GVGWRI:TBL44:9175:11-4-92)

lowest permeability units tend to control the vertical movement of groundwater. For this reason and because a conservative estimate of horizontal to vertical anisotropy was used in the calculation of vertical average linear velocity, the average time required for groundwater to travel from the water table to the Gage Aquifer may be longer than the value given above.

5.0 NATURE AND EXTENT OF CONTAMINATION

5.1 INTRODUCTION

The following is a discussion of the nature and extent of groundwater contamination at the portion of the Gardena Valley 1 & 2 Landfill that is the subject of this RI. It should be noted that all the sampling programs conducted for this investigation and the analyses performed were approved by DTSC. In addition, Objective D of the approved RI/FS Work plan included a validation of the results from previous site investigations. Therefore, the results of previous investigations performed by BCL are also presented in this report. A detailed discussion of all BAS field investigations is presented in Section 4 of this report. A summary of the laboratory results for BAS and BCL samples is presented in Volume II, Appendix C. The actual laboratory reports are provided in Volume III.

5.1.1 DATA MANAGEMENT

All appropriate data management procedures described in Volume II, Appendix B of the RI/FS Work plan were followed during the collection of laboratory samples at the site. All completed Chain-of-Custody forms are being kept on file at the offices of BAS. Copies of these forms are included in this report in Volume III, Appendix E, Raw Data: Laboratory Results. A copy of the Field Log Book is also being kept on file at BAS.

It should be noted that due to the large quantity of data, summary tables have been prepared to present the findings of the investigation. The summary tables only present the results of the compounds which were detected above laboratory detection limits. A complete set of all of the data (including nondetects and detects) are included in Volume II, Appendix C and in Volume III which contains the raw data.

5.1.2 QA/QC

5.1.2.1 SUMMARY OF QA/QC ACTIVITIES

During groundwater sampling, the QA/QC procedures described in Appendix C of the Work Plan were followed. A summary of analytical methods used in the analysis is presented in Table 5-1. In addition to the procedures specified in the Work plan, a QA/QC checklist was developed to ensure that each sample analyzed received the proper QA/QC in the field and the lab. An example of the checklist is included as Figure 5-1. These checklists have been included in Volume II, Appendix D. The following QA/QC steps were performed during all field activities:

- o Calibration of field equipment was done on a daily basis according to manufacturers Standard Operating Procedures (SOPs). These SOPs address calibration procedures, frequency of calibration, specific calibration acceptance limits, and provisions for corrective actions. Field equipment used included an Organic Vapor Monitor (OVM), a Soil pH Meter, a Temperature/pH/Electrical Conductivity Meter, and a Turbidity Meter.
- o All field measurements were taken by qualified specialists, trained on the use and calibration of each instrument used.
- o Duplicate and trip blanks were collected during the groundwater sampling to confirm the repeatability and reliability of the sample collection, handling, and analytical procedures.
- o Chain-of-Custody records accompanied each groundwater sample from the time of sampling to final delivery to the analytical laboratory. Information on the Chain-of-Custody forms include: sample I.D., sample matrix, sampling date and time, analyses to be run, and number of containers. Each individual retaining custody of the samples was required to sign and date the Chain-of-Custody form. Copies of the actual Chain-of-Custody forms used for the project are included with the raw laboratory data in Volume III.

TABLE 5-1
GROUNDWATER ANALYSES
ANALYTICAL METHODS

| COMPOUND | EPA METHOD No. | TECHNIQUE |
|---|----------------|-------------------------------------|
| Anion/Cation Balance | | Calculation |
| Total Dissolved Solids | 160.1 | Gravimetric |
| Alkalinity | 310.1 | Titrimetric |
| Fluoride | 340.2 | Electrode |
| Nitrate | 353.2 | Colorimetric |
| Chemical Oxygen Demand | 410.2 | Titration |
| Oil & Grease | 413.2 | Infrared Spectrometer |
| Petroleum Hydrocarbons | 418.1 | Colorimetric |
| Surfactants (MBAS) | 425.1 | Inductively Coupled Argon Plasma |
| METALS Sb, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Mg, Mn, Mo, Ni, K, Ag, Na, V, Zn | 6010 | Inductively Coupled Argon Plasma |
| Hardness | 6010 | Calculation |
| Arsenic | 7060 | Atomic Absorption/ Graphite Furnace |
| Lead | 7421 | Atomic Absorption/ Graphite Furnace |
| Mercury | 7471 | Atomic Absorption/ Cold Vapor |
| Selenium | 7740 | Atomic Absorption/ Graphite Furnace |
| Thallium | 7841 | Atomic Absorption/ Graphite Furnace |
| Pesticides and PCBs | 8080 | GC/Electron Capture Detector |
| Volatile Organics | 8240 | GC/ Mass Spectrometer |
| Semi-Volatile Organics | 8270 | GC/ Mass Spectrometer |
| Sulfate | 9038 | Turbidimetric |
| pH | 9040 | Electrode |
| Conductivity | 9050 | Electrode |
| Chloride | 9051 | Colorimetric |

(GV 1&2 GWRI: TBL-51.XLS: 9175: 11/6/92)

FIGURE 5-1

QA/QC CHECKLIST

Sample ID Number: _____ Workplan ID Number: _____

Sample Location: _____

Is Chain-of-Custody Present? YES () NO ()

Are Appropriate Signatures Provided? YES () NO ()

Sample Collection Time: _____ and Date: _____

Problems with Collection: _____

Analysis Run within Appropriate Holding Time? YES () NO ()

Sample Control Log (List of Analyses) Present? YES () NO ()

Does Control Log Match Prescribed Analysis in Workplan? YES () NO ()

If Not, Explain: _____

~~Were 10% Duplicates Taken for Each Test Method? YES () NO () NA ()~~

Were Appropriate Containers Used for Collection? YES () NO ()

Were Duplicates Consistent? YES () NO () NA ()

Was Lab QA/QC Provided? YES () NO ()

Was Lab QA/QC Within Acceptable Limits? YES () NO ()

Were Prescribed Detection Limits Used? YES () NO ()

- o The laboratory QA/QC procedures for Analytical Technologies, Inc. (ATI) including calibrations and internal QA checks such as blanks and duplicates, have been included in Appendix D. Sample preservation was performed in accordance with these documents. All samples were kept on ice until delivery to the analytical laboratory.

5.1.2.2 TENTATIVELY IDENTIFIED COMPOUNDS

Tentatively Identified Compounds (TICs) are chemicals which are not specifically analyzed for in standard volatile and semi-volatile analyses, but which appear as additional peaks on the GC/MS chromatogram. By means of computer searches of libraries of peak shapes, a laboratory can compare these additional peaks to library standards in an attempt to identify the responsible chemicals. Levels of confidence are assigned to TICs, indicating the laboratory's faith in the accuracy of its evaluation. Three levels of confidence, such as A, B, and C are typically assigned to TICs. Certain TICs, such as siloxanes, freons, by-products of cyclohexene, and aldol reaction products of acetone are known to be common laboratory contaminants (U.S. EPA, 1988). As well as having uncertain identities, TICs also have uncertain concentrations (U.S. EPA, 1989). For these reasons, any quantitative analysis of the potential risks from TICs is highly uncertain.

TICs were identified in groundwater samples analyzed by Analytical Technologies, Inc. for BAS, and are termed "additional (semi-quantitated) compounds" in the laboratory results.

The majority of these TICs are "unidentified" and "aliphatic hydrocarbons" which were detected a total of 30 and 20 times respectively in groundwater samples collected during this investigation. TICs reported by ATI include the following:

| TIC | Location(s) Detected | Number of Times Detected | Average Concentration (ug/l) |
|---------------------------|---|--------------------------|------------------------------|
| Unidentified Hydrocarbons | GW-6A, 7A, 10A, 12A, 13A, 4D, & 6D | 30 | 29.63 |
| Aliphatic Hydrocarbons | GW-5A, 6A, 7A, 9A, 11A, 13A, 6C, 7C, & 6D MW-14, & 15 | 20 | 31.5 |
| Cyclic Hydrocarbons | GW-4A, 6A, & 6D | 6 | 641 |
| Cyclic Ketones | GW-6D | 3 | 200 |
| Branched Alcohols | GW-10A & 12A MW-14 | 4 | 50 |
| Carboxylic Acid | GW-10A & 13A MW-14 | 5 | 110 |
| Caprolactam | GW-10A & 13A | 2 | 265 |
| Chloroethanol Phosphate | GW-7A | 1 | 10 |
| Hydrocarbon C7 | GW-7A | 1 | 8 |
| Branched Glycol | GW-7A | 1 | 20 |
| Branched Propanol | GW-7A | 1 | 10 |
| Dichlorofluoro methane | GW-4A | 1 | 5 |
| Trimethylbenzene Isomer | GW-6D | 1 | 20 |
| Aromatic Hydrocarbon | GW-6D | 1 | 20 |
| Oxygenated Hydrocarbon | GW-6D | 1 | 30 |
| Glycol | GW-10A | 1 | 10 |

5.2 SUMMARY OF GROUNDWATER CHARACTERIZATION

This section summarizes the results of the analyses of groundwater samples collected at the Gardena Valley 1 & 2 Landfill site. The section has been separated into four subsections dealing with the four zones previously identified. Each sub-section includes a comparison of the analytical results to established Applicable or Relevant and Appropriate Regulations (ARARs). Table 5-2 summarizes the pertinent ARARs for the project.

5.2.1 SHALLOW BELLFLOWER ZONE

The shallow groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 13 monitoring wells and piezometers. Ten of these (GW-4A, GW-5A, GW-6A, GW-7A, GW-8A, GW-9A, GW-10A, GW-11A, GW-12A, and GW-13A) were constructed for this investigation, two were constructed to monitor the Golden Eagle Refinery site located south of Gardena Valley site, and one was constructed to monitor the Cal Compact Landfill site located east of the Gardena Valley site. Due to the complexity of the groundwater flow regime beneath the site (Figures 4-13 and 4-14), it was agreed that monitoring wells GW-6A, GW-7A, GW-10A, and GW-13A be used to characterize the water quality at the site. GW-7A has been designated as the background monitoring well with the remaining wells being designated as downgradient. Each well was sampled twice during the period between August 25, 1992 and October 8, 1992.

Inorganics analyses of groundwater samples collected from the shallow monitoring wells detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-3 and 5-4). The state "recommended" maximum contaminant level (MCL) for chloride (250 mg/l) was exceeded at downgradient location GW-13A (294 mg/l). The "upper level" MCL for conductivity (1600 mg/l) was exceeded at downgradient well GW-6A (1750 mg/l); while the "short-term" MCL (2200 mg/l) was exceeded at upgradient well GW-7A (2738 mg/l), and downgradient wells GW-10A (2993 mg/l), and GW-13A (2528 mg/l). The "recommended" MCL for sulfate (250 mg/l) was exceeded at two of the downgradient wells (GW-10A = 378 mg/l; GW-13A = 279 mg/l); while the "short-term" MCL (600 mg/l) was exceeded at upgradient well GW-7A (1012 mg/l). The "upper level" MCL for total dissolved solids (TDS) (1000 mg/l) was exceeded at GW-6A (1050 mg/l); while the "short-term" MCL (1500 mg/l) was exceeded at upgradient well GW-7A, and at downgradient wells GW-10A, and GW-13A (2160 mg/l, 1955 mg/l, and 1588 mg/l, respectively).

TABLE 5-2
APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS
FOR GROUNDWATER

| COMPOUND | STATE OF CALIFORNIA | | FEDERAL |
|-----------------------------------|--------------------------------------|--|------------------------------|
| | Primary Drinking Water Standards (1) | Secondary Drinking Water Standards (2) | Drinking Water Standards (3) |
| Inorganic Compounds (mg/l) | | | |
| Arsenic | 0.05 | | 0.05 |
| Barium | 1.0 | | 1.0 |
| Copper | | 1.0 | |
| Iron | | 0.3 | |
| Manganese | | 0.05 | |
| Mercury | 0.002 | | 0.002 |
| Nitrate | 45 | | 10 |
| Selenium | 0.01 | | 0.01 |
| Silver | 0.05 | | 0.05 |
| Zinc | | 5.0 | |
| Total Dissolved Solids | | 500/1000/1500* | |
| Conductivity | | 900/1600/2200* | |
| Chloride | | 250/500/600* | |
| Sulfate | | 250/500/600* | |
| Organic Compounds (ug/l) | | | |
| 1,1-Dichloroethane | 5.0 | | |
| 1,2-Dichloroethane | 0.5 | | 5.0 |
| Benzene | 1.0 | | 5.0 |
| Ethylbenzene | 680 | | |
| Tetrachloroethene | 5.0 | | |
| Trichloroethene | 5.0 | | 5.0 |
| Xylenes | 1750 | | |

(GV 1&2 GWRI: TBL-52.XLS: 9175: 4/14/93)

NOTES:

- (1) California Code of Regulations, Title 22, Division 4, Chapter 15, Articles 4, 5, & 5.5, Sections 64435, 64441, 64444.5.
 - (2) California Code of Regulations, Title 22, Division 4, Chapter 15, Article 8, Section 64473.
 - (3) 40 CFR (Code of Federal Regulations), Chapter 1, Sections 141.11, 141.12, 141.61.
- * Maximum Contaminant Levels (Recommended/Upper/Short Term); California Code of Regulations, Title 22, Division 4, Article 8, Section 64473.

TABLE 5-3
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER ANALYSES SUMMARY DATA
SHALLOW BELLFLOWER ZONE

| COMPOUND | UPGRADIENT FROM LANDFILL | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | | | | | |
|--|-----------------------------|---------|----------|----------|-------------------------------|---------|----------|----------|---------|---------|----------|----------|---------|---------|----------|----------|
| | GW-7A | | | | GW-6A | | | | GW-10A | | | | GW-13A | | | |
| | 8/25/92 | 10/8/92 | 11/18/92 | 12/30/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 |
| GENERAL MINERALS (mg/l): | | | | | | | | | | | | | | | | |
| Bicarbonate (as CaCO ₃) | 403 | 448 | | | 456 | 460 | | | 1330 | 1320 | | | 690 | 723 | | |
| Total Alkalinity (as CaCO ₃) | 403 | 448 | | | 456 | 460 | | | 1330 | 1320 | | | 690 | 723 | | |
| Cation/Anion Balance (Ratio) | 1.05 | 0.99 | | | 0.91 | 1.03 | | | 0.93 | 0.99 | | | 1.07 | 0.98 | | |
| Chloride | 190 | 209 | | | 164 | 160 | | | 65.0 | 66.0 | | | 295 | 299 | | |
| Chemical Oxygen Demand | 25 | 26 | | | 36 | 51 | | | 74 | 21 | | | 92 | 47 | | |
| Conductivity (umhos/cm) | 2610 | 2720 | | | 1640 | 1720 | | | 3010 | 2980 | | | 2510 | 2410 | | |
| Nitrate (as Nitrogen) | 0.05 | 0.05 | | | 0.11 | 0.05 | | | 0.12 | 0.05 | | | 0.31 | 0.11 | | |
| pH (units) | 7.36 | 7.06 | | | 7.06 | 7.25 | | | 6.65 | 6.78 | | | 6.81 | 6.96 | | |
| Sulfate | 1140 | 910 | | | 322 | 228 | | | 389 | 391 | | | 256 | 310 | | |
| Total Dissolved Solids | 2100 | 2110 | | | 1030 | 1100 | | | 1930 | 2020 | | | 1570 | 1630 | | |
| METALS (mg/l): | | | | | | | | | | | | | | | | |
| Calcium | 344 | 356 | | | 174 | 174 | | | 163 | 156 | | | 290 | 277 | | |
| Copper | 0.01 | 0.01 | | | 0.01 | 0.01 | | | 0.01 | 0.01 | | | 0.01 | 0.01 | | |
| Iron | 0.01 | 0.01 | | | 0.07 | 0.01 | | | 0.01 | 0.01 | | | 0.01 | 0.01 | | |
| Hardness | 1530 | 1290 | | | 625 | 631 | | | 635 | 617 | | | 1020 | 986 | | |
| Potassium | 8.7 | 9 | | | 9.0 | 8.9 | | | 6.6 | 6.3 | | | 12.4 | 11.3 | | |
| Magnesium | 90.4 | 96.6 | | | 46.2 | 47.8 | | | 55.4 | 55.3 | | | 72.8 | 71.4 | | |
| Manganese | 0.12 | 0.12 | | | 0.63 | 0.6 | | | 3.0 | 2.6 | | | 0.94 | 0.66 | | |
| Sodium | 163 | 174 | | | 134 | 141 | | | 486 | 537 | | | 198 | 202 | | |
| Selenium | 0.009 | 0.002 | | | 0.002 | 0.002 | | | 0.002 | 0.002 | | | 0.002 | 0.002 | | |

**TABLE 5-3
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER ANALYSES SUMMARY DATA
SHALLOW BELFLOWER ZONE**

| COMPOUND | UPGRADIENT FROM LANDFILL | | | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | | | |
|--|-----------------------------|---------|----------|----------|---------|---------|-------------------------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|
| | GW-7A | | | | | | GW-6A | | | | | | | | | |
| | 8/25/92 | 10/8/92 | 11/18/92 | 12/30/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 |
| SEMI-VOLATILE ORGANICS (ug/l) - EPA 8270: | | | | | | | | | | | | | | | | |
| Pyrene | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Butyl Benzyl Phthalate | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Benzo (a) Anthracene | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Bis (2-Ethylhexyl) Phthalate | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 20 | 10 | | |
| Di-n-Octylphthalate | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Benzo (a) Pyrene | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| VOLATILE ORGANICS - EPA 8240 (ug/l): | | | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| cis-1,2-Dichloroethene | 1 | 1 | | | 2 | 2 | | | 1 | 1 | | | 1 | 1 | | |
| Trichloroethene | 1 | 1 | | | 3 | 3 | | | 1 | 1 | | | 1 | 1 | | |
| Tetrachloroethene | 1 | 1 | | | 3 | 3 | | | 1 | 1 | | | 1 | 1 | | |

(GV-GW-RI:SHALLOW\8-92\SUM:10-30-92)

NOTES:
 = Compound not detected, value shown is laboratory detection limit.
 = Compound detected at an unquantifiable trace level
 mg/L = milligrams per litre
 ug/L = micrograms per litre

TABLE 5-5
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
INTERMEDIATE BELLFLOWER ZONE

| COMPOUND | UPGRADIENT FROM LANDFILL GW-7B | | | | | | DOWNGRADIENT FROM LANDFILL GW-4B | | | | | |
|--|--------------------------------------|---------|---------|---------|---------|--------|--|---------|---------|---------|---------|--------|
| | 3/2/90 | 3/13/90 | 3/29/90 | 8/22/90 | 1/29/91 | 5/7/91 | 3/2/90 | 3/13/90 | 3/28/90 | 8/21/90 | 1/30/91 | 5/8/91 |
| GENERAL MINERALS (mg/L) | | | | | | | | | | | | |
| Bicarbonate | 163 | 156 | 157 | 151 | 149 | 148 | 335 | 340 | 330 | 322 | 325 | 306 |
| Cation/Anion Balance | 0.92 | 0.9 | 1.01 | 0.93 | 1.04 | 1.01 | 0.84 | 0.91 | 1.09 | 0.92 | 1.09 | 0.97 |
| Chemical Oxygen Demand | 5 | 5 | 5 | 6 | 5 | 30.9 | 61 | 58 | 59 | 53 | 12 | 74.6 |
| Chloride | 121 | 148 | 140 | 140 | 150 | 160 | 2,990 | 3,060 | 2780 | 2800 | 2820 | 2860 |
| Conductivity | 952 | 970 | 1060 | 1070 | 1130 | 1200 | 9,760 | 9,420 | 9650 | 10200 | 10500 | 10600 |
| Nitrate as Nitrogen | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Oil and Grease | 0.10 | 0.17 | 0.05 | NA | 0.05 | NA | 0.25 | 0.12 | 0.1 | NA | 0.67 | NA |
| Petroleum Hydrocarbons | 0.05 | 0.09 | 0.05 | NA | 0.05 | NA | 0.05 | 0.05 | 0.1 | NA | 0.46 | NA |
| pH | 7.46 | 7.71 | 7.86 | 7.78 | 7.62 | 7.57 | 7.23 | 7.14 | 7.25 | 7.01 | 7.28 | 7.18 |
| Sulfate | 227 | 176 | 203 | 216 | 182 | 191 | 1,700 | 1,415 | 2030 | 1910 | 1310 | 1500 |
| Total Alkalinity (as CaCO ₃) | 5 | 5 | 157 | 151 | 149 | 148 | 5 | 5 | 330 | 322 | 325 | 306 |
| Total Dissolved Solids | 670 | 618 | 642 | 664 | 670 | 694 | 8,130 | 7,620 | 7890 | 7900 | 9140 | 7700 |
| METALS (mg/L) | | | | | | | | | | | | |
| Arsenic | 0.002 | 0.002 | 0.007 | NA | 0.002 | NA | 0.002 | 0.004 | 0.007 | NA | 0.002 | NA |
| Barium | 0.04 | 0.04 | 0.03 | NA | 0.05 | NA | 0.06 | 0.07 | 0.13 | NA | 0.06 | NA |
| Calcium | 99.1 | 96.1 | 105 | 91.1 | 114 | 114 | 1,190 | 1,320 | 1350 | 1350 | 1450 | 1320 |
| Copper | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 |
| Hardness | 352 | 339 | 373 | 327 | 398 | 398 | 4,260 | 4,620 | 4580 | 4620 | 5000 | 4580 |
| Iron | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Magnesium | 25.3 | 24.1 | 26.9 | 24.4 | 27.5 | 27.5 | 312 | 320 | 332 | 303 | 335 | 312 |
| Manganese | 0.07 | 0.08 | 0.08 | 0.17 | 0.08 | 0.11 | 2.9 | 3.3 | 5.8 | 3 | 3.1 | 3.2 |
| Mercury | 0.0005 | 0.0005 | 0.0005 | NA | 0.001 | NA | 0.0005 | 0.0005 | 0.0005 | NA | 0.0005 | NA |
| Molybdenum | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA | 0.05 | 0.04 | 0.05 | NA | 0.01 | NA |
| Nickel | 0.01 | 0.01 | 0.05 | NA | 0.02 | NA | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA |
| Potassium | 6 | 5.6 | 5.9 | 7.7 | 5.7 | 5.4 | 25.6 | 26.5 | 22.8 | 21.9 | 21.8 | 23.4 |
| Selenium | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.03 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 |
| Silver | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA |
| Sodium | 72.5 | 67.6 | 69.3 | 89 | 77.2 | 78.7 | 466 | 437 | 559 | 506 | 517 | 506 |
| Zinc | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.01 | 0.01 | 0.01 |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Acetone | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20TR |
| Methylene Chloride | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 13* |

NOTES:

- Shaded numbers indicate the detection limit for an undetected compound.
- NA: Indicates that a Compound was not analyzed for.
- TR: Indicates that analyte was detected in non-quantifiable trace amounts.
- * Analyte found in associated reagent blank.

(GV-GW-R1: BELLINT: 10-30-92)

**TABLE 5-4
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
SHALLOW BELLEFLOWER ZONE**

| COMPOUND | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION ** | | | | STANDARD DEVIATION ** | | | |
|---------------------------------|------------------|-------|--------|-----------------|---------------------|-------------|-----------------------|------------------|-------|--------|-----------------------|------------------|-------|--------|
| | GW-7A Background | GW-6A | GW-10A | | | | GW-13A | GW-7A Background | GW-6A | GW-10A | GW-13A | GW-7A Background | GW-6A | GW-10A |
| GENERAL MINERALS (mg/L): | | | | | | | | | | | | | | |
| Bicarbonate (as CaCO3) | 2 | 2 | 2 | 2 | - | - | 426 | 458 | 1325 | 707 | 31.82 | 2.83 | 7.07 | 23 |
| Total Alkalinity (as CaCO3) | 2 | 2 | 2 | 2 | - | - | 426 | 458 | 1325 | 707 | 31.82 | 2.83 | 7.07 | 23 |
| Cation/Anion Balance (Ratio) | 2 | 2 | 2 | 2 | - | - | 1.02 | 0.97 | 0.96 | 1.03 | 0.04 | 0.08 | 0.04 | 0 |
| Chloride | 2 | 2 | 2 | 2 | 600 / 500 / 250 * | - | 200 | 162 | 66 | 297 | 13.44 | 2.83 | 0.71 | 3 |
| Chemical Oxygen Demand | 2 | 2 | 2 | 2 | - | - | 26 | 44 | 48 | 70 | 0.71 | 10.61 | 37.48 | 32 |
| Conductivity (umhos/cm) | 2 | 2 | 2 | 2 | 2200 / 1600 / 900 * | - | 2665 | 1680 | 2995 | 2460 | 77.78 | 56.57 | 21.21 | 71 |
| Nitrate (as Nitrogen) | 0 | 1 | 1 | 2 | 45 | 10 | 0.05 | 0.08 | 0.09 | 0.21 | 0.00 | 0.04 | 0.05 | 0 |
| pH (units) | 2 | 2 | 2 | 2 | - | - | 7.21 | 7.16 | 6.72 | 6.89 | 0.21 | 0.13 | 0.09 | 0 |
| Sulfate | 2 | 2 | 2 | 2 | 600 / 500 / 250 * | - | 1025 | 275 | 390 | 283 | 162.63 | 66.47 | 1.41 | 38 |
| Total Dissolved Solids | 2 | 2 | 2 | 2 | 1500 / 1000 / 500 * | - | 2105 | 1065 | 1975 | 1600 | 7.07 | 49.50 | 63.64 | 42 |
| METALS (mg/L): | | | | | | | | | | | | | | |
| Calcium | 2 | 2 | 2 | 2 | - | - | 350 | 174 | 160 | 284 | 8.49 | 0.00 | 4.95 | 9 |
| Copper | 1 | 0 | 0 | 0 | 1 ** | - | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0 |
| Iron | 0 | 1 | 0 | 0 | 0.3 ** | - | 0.01 | 0.04 | 0.01 | 0.01 | 0.00 | 0.04 | 0.00 | 0 |
| Hardness | 2 | 2 | 2 | 2 | - | - | 1410 | 628 | 626 | 1003 | 169.71 | 4.24 | 12.73 | 24 |
| Potassium | 2 | 2 | 2 | 2 | - | - | 8.85 | 8.95 | 6.45 | 11.85 | 0.21 | 0.07 | 0.21 | 1 |
| Magnesium | 2 | 2 | 2 | 2 | - | - | 93.50 | 47.00 | 55.35 | 72.10 | 4.38 | 1.13 | 0.07 | 1 |
| Manganese | 2 | 2 | 2 | 2 | 0.05 ** | - | 0.12 | 0.62 | 2.81 | 0.80 | 0.00 | 0.02 | 0.27 | 0 |
| Sodium | 2 | 2 | 2 | 2 | - | - | 169 | 138 | 512 | 200 | 7.78 | 4.95 | 36.06 | 3 |
| Selenium | 1 | 0 | 0 | 0 | 0.01 | 0.002 | 0.006 | 0.002 | 0.002 | 0.002 | 0.00 | 0.00 | 0.00 | 0 |

TABLE 5-4
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
SHALLOW BELLFLOWER ZONE

| COMPOUND | NUMBER DETECTED | | | | DETECTION | STATE | FEDERAL | MEAN CONCENTRATION ** | | | | STANDARD DEVIATION ** | | | |
|--|---------------------|-------|--------|--------|-----------|-------|---------|-----------------------|-------|--------|--------|-----------------------|-------|--------|--------|
| | GW-7A Background | GW-6A | GW-10A | GW-13A | LIMIT | MCL | MCL | GW-7A Background | GW-6A | GW-10A | GW-13A | GW-7A Background | GW-6A | GW-10A | GW-13A |
| SEMI-VOLATILE ORGANICS (ug/L) - EPA 8270: | | | | | | | | | | | | | | | |
| Pyrene | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Butyl Benzyl Phthalate | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Benzo (a) Anthracene | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Bis (2-Ethylhexyl) Phthalate | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 15 | 0.00 | 0.00 | 0.00 | 7 |
| Di-n-Octylphthalate | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Benzo (a) Pyrene | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| VOLATILE ORGANICS - EPA 8240 (ug/L): | | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 0 | 2 | 0 | 0 | 1 | 5 | - | 1 | 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |
| cis-1, 2-Dichloroethene | 0 | 2 | 0 | 0 | 1 | - | - | 1 | 2 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |
| Trichloroethene | 0 | 2 | 0 | 0 | 1 | 5 | 5 | 1 | 3 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |
| Tetrachloroethene | 1 | 2 | 0 | 0 | 1 | 5 | - | 1 | 3 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |

NOTES:

* = Background wells

TR = Compound detected at an unquantifiable trace level

mg/L = milligrams per litre

ug/L = micrograms per litre

(GV-GW-RI:SHALLOW\8-92SUM:10-30-92)

Metals analyses detected low concentrations of eight metals in groundwater samples collected from the shallow zone wells. Seven metals were detected in upgradient well GW-7A; six were detected in downgradient wells GW-6A, GW-10A, and GW-13A. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in upgradient monitoring well GW-7A (0.25 mg/l) and in downgradient wells, GW-6A (0.62 mg/l), GW-10A (2.81 mg/l), and GW-13A (0.80 mg/l).

Semi-volatile organics analyses of the sample collected from the shallow groundwater monitoring well GW-13A on August 25, 1992 detected trace concentrations of five compounds and low level concentration of bis (2-ethylhexyl)phthalate (20 ug/l), a common laboratory contaminant. No semi-volatile organic compounds were detected in samples collected from well GW-13A during any other sampling rounds, or in any of the samples collected from upgradient monitoring well GW-7A, or downgradient monitoring wells GW-6A or GW-10A.

Tetrachloroethene was detected at the laboratory method detection limit once during analyses of the samples collected from upgradient monitoring well GW-7A. No other volatile organic compounds were detected at well GW-7A, and none were detected in samples collected from downgradient wells GW-10A, or GW-13A. Low concentration levels of five organic compounds were detected in water samples collected from monitoring well GW-6A (1,1-dichloroethane - 1.75 ug/l; - cis-1,2-dichloroethene - 3 ug/l; 1,2-dichloroethene - 1.25 ug/l; trichloroethene - 4 ug/l; tetrachloroethene - 3.5 ug/l). With the exception of 1,2-dichloroethene, which exceeded the state MCL, none of the mean concentrations of volatile organic compounds were found to be in excess of any established ARAR (Table 5-4).

5.2.2 INTERMEDIATE BELLFLOWER ZONE

The intermediate Bellflower zone groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 2 monitoring wells. Monitoring well GW-7B has been designated as the background monitoring well while GW-4B has been designated as the single downgradient monitoring point. Each well was sampled six times during the period between March 2, 1990 and May 7, 1991.

Inorganics analyses of water samples collected from wells GW-7B, and GW-4B detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-5 and 5-6). The state "short-term" MCL for chloride (600 mg/l) was exceeded at downgradient location GW-4B (2,885 mg/l). The "recommended" MCL for conductivity (900 mg/l) was exceeded at upgradient well GW-7B (1,064 mg/l); while the "short-term" MCL (2200 mg/l) was exceeded at downgradient well GW-4B (10,022 mg/l). The "short-term" MCL (600 mg/l) for sulfate was exceeded at downgradient well GW-4B (1644 mg/l). The "recommended" MCL (500 mg/l) for TDS was exceeded at upgradient well GW-7B; while the "short-term" MCL (1500 mg/l) was exceeded at downgradient well GW-4B.

Metals analyses detected low concentrations of fifteen metals in groundwater samples collected from the intermediate Bellflower zone wells. Eleven metals were detected at least once in upgradient well GW-7B. The mean upgradient metals concentrations from the six sampling events did not exceed any established ARARs (Table 5-6). Twelve metals were detected at least once in downgradient well GW-4B. The mean metals concentrations of samples collected from GW-4B did not exceed established ARARs, with the exception of manganese (mean conc. = 3.55 mg/l) which exceeded the state secondary drinking water standard of 0.5 mg/l.

No semi-volatile organic compounds were detected in samples collected from upgradient monitoring well GW-7B, or downgradient monitoring well GW-4B.

**TABLE 5-6
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
INTERMEDIATE BELFLOWER ZONE**

| COMPOUND | NUMBER DETECTED | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | STANDARD DEVIATION*** | |
|---------------------------------|------------------|-------|-----------------|----------------|-------------|-----------------------|------------------|-----------------------|--------|
| | GW-7B Background | GW-4B | | | | GW-7B Background | GW-4B Background | | |
| GENERAL MINERALS (mg/L) | | | | | | | | | |
| Bicarbonate | 6 | 6 | 5 | - | - | 154 | 326 | 6 | 12 |
| Cation/Anion Balance | 6 | 6 | - | - | - | 0.97 | 0.97 | 0.06 | 0.10 |
| Chemical Oxygen Demand | 2 | 6 | 5 | - | - | 9 | 53 | 10 | 21 |
| Chloride | 6 | 6 | 2 | 600/500/250* | - | 143 | 2885 | 13 | 114 |
| Conductivity | 6 | 6 | - | 2200/1600/900* | - | 1064 | 10022 | 94 | 482 |
| Nitrate as Nitrogen | 0 | 1 | 0.05 | 45 | 10 | 0.05 | 0.05 | 0.00 | 0.00 |
| Oil and Grease | 2 | 4 | 0.05 | - | - | 0.09 | 0.29 | 0.06 | 0.27 |
| Petroleum Hydrocarbons | 1 | 2 | 0.05 | - | - | 0.06 | 0.17 | 0.02 | 0.20 |
| pH | 6 | 6 | - | - | - | 7.67 | 7.18 | 0.15 | 0.10 |
| Sulfate | 6 | 6 | 10 | 600/500/250* | - | 199 | 1644 | 20 | 286 |
| Total Alkalinity (as CaCO3) | 4 | 4 | 5 | - | - | 103 | 216 | 76 | 163 |
| Total Dissolved Solids | 6 | 6 | 20 | 1500/1000/500* | - | 660 | 8063 | 26 | 557 |
| METALS (mg/L) | | | | | | | | | |
| Arsenic | 2 | 2 | 0.002 | 0.05 | 0.05 | 0.003 | 0.004 | 0.003 | 0.002 |
| Barium | 4 | 4 | 0.01 | 1 | 1 | 0.04 | 0.08 | 0.01 | 0.03 |
| Calcium | 6 | 6 | 0.05 | - | - | 103 | 1330 | 9 | 84 |
| Copper | 1 | 1 | 0.01 | 1** | - | 0.022 | 0.022 | 0.004 | 0.004 |
| Hardness | 6 | 6 | 0.5 | - | - | 365 | 4610 | 30 | 235 |
| Iron | 1 | 0 | 0.01 | 0.3** | - | 0.012 | 0.010 | 0.004 | 0 |
| Magnesium | 6 | 6 | 0.01 | - | - | 26 | 319 | 2 | 12 |
| Manganese | 6 | 6 | 0.01 | 0.5** | - | 0.10 | 3.55 | 0.04 | 1.11 |
| Mercury | 1 | 0 | 0.0005 | 0.002 | 0.002 | 0.0006 | 0.0005 | 0.0003 | 0.0000 |
| Molybdenum | 0 | 4 | 0.01 | - | - | 0.01 | 0.04 | 0.00 | 0.02 |
| Nickel | 2 | 0 | 0.01 | - | - | 0.02 | 0.01 | 0.02 | 0.00 |
| Potassium | 6 | 6 | 0.1 | - | - | 6.05 | 23.67 | 0.84 | 1.96 |
| Selenium | 0 | 2 | 0.002 | 0.01 | 0.01 | 0.002 | 0.003 | 0.000 | 0.002 |
| Silver | 0 | 1 | 0.01 | 0.05 | 0.05 | 0.01 | 0.01 | 0 | 0 |
| Sodium | 6 | 6 | 0.1 | - | - | 76 | 499 | 8 | 42 |
| Zinc | 0 | 2 | 0.01 | 5.0** | - | 0.010 | 0.015 | 0.000 | 0.008 |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | |
| Acetone | 0 | 1 | 20 | - | - | 20 | 20 | 0 | 0 |
| Methylene Chloride | 0 | 1 | 5 | - | - | 5 | 6.33 | 0 | 0 |

(GV-GW-RI: BELLINI: 04-20-93)

NOTES:
 * - Short Term/Upper/Recommended Maximum Contaminant Levels.
 ** - Indicates State Secondary Drinking Water Standard. All other State MCLs listed are Primary Standards.
 *** - Detection limit values were used for undetected compounds in the calculation of mean concentrations and standard deviations.

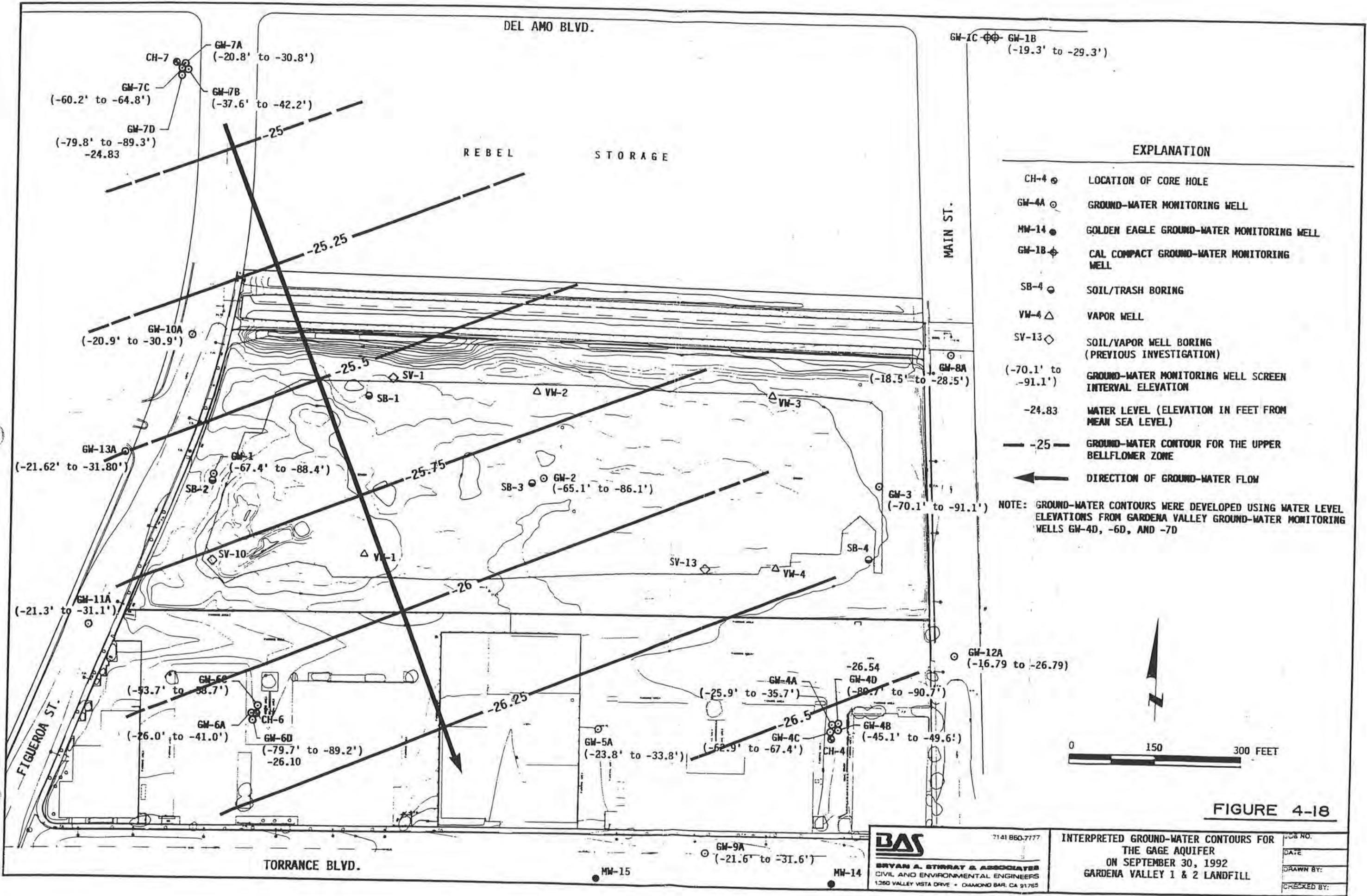
No volatile organic compounds were detected during analyses of the sample collected from upgradient monitoring well GW-7B. Acetone was detected once (05/08/91; at an unquantifiable trace concentration) in downgradient monitoring well GW-4B. In addition, methylene chloride was detected at a low concentration level (13 ug/l) in that same sample. However, methylene chloride was also found in the associated reagent blank for this sample and, therefore, this isolated reporting is not considered valid or significant.

5.2.3 DEEP BELLFLOWER ZONE

The deep Bellflower zone groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 3 monitoring wells. Monitoring well GW-7C has been designated as the background monitoring wells while GW-4C and GW-6C have been designated as downgradient monitoring points. Each well was sampled six times during the period between March 2, 1990 and May 9, 1991.

Inorganics analyses of water samples collected from wells GW-4C, GW-6C and GW-7C detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-7 and 5-8). The state "short-term" MCL for chloride (600 mg/l) was exceeded at downgradient location GW-4C (1,066 mg/l). The "recommended" MCL for conductivity (900 mg/l) was exceeded at upgradient well GW-7C (1,028 mg/l) and at downgradient well GW-6C (1,245 mg/l); while the "short-term" MCL (2200 mg/l) was exceeded at downgradient well GW-4C (3,938 mg/l). The "recommended" MCL (250 mg/l) for sulfate was exceeded at upgradient well GW-7C (271 mg/l) and at both downgradient wells, GW-4B (306 mg/l) and GW-6C (276 mg/l). The "recommended" MCL (500 mg/l) for TDS was exceeded at upgradient well GW-7C (693 mg/l) and downgradient well GW-6C (783 mg/l); while the "short-term" MCL (1500 mg/l) was exceeded at downgradient well GW-4C (2,775 mg/l).

Metals analyses detected low concentrations of thirteen metals in groundwater samples collected from the deep Bellflower zone wells. Nine metals were detected at least once in upgradient well GW-7C and downgradient well GW-4C. Twelve metals were detected at least once in downgradient well



EXPLANATION

- CH-4 ● LOCATION OF CORE HOLE
- GW-4A ○ GROUND-WATER MONITORING WELL
- MW-14 ● GOLDEN EAGLE GROUND-WATER MONITORING WELL
- GW-1B ⊕ CAL COMPACT GROUND-WATER MONITORING WELL
- SB-4 ● SOIL/TRASH BORING
- VW-4 △ VAPOR WELL
- SV-13 ◇ SOIL/VAPOR WELL BORING (PREVIOUS INVESTIGATION)
- (-70.1' to -91.1') ○ GROUND-WATER MONITORING WELL SCREEN INTERVAL ELEVATION
- 24.83 WATER LEVEL (ELEVATION IN FEET FROM MEAN SEA LEVEL)
- -25 — GROUND-WATER CONTOUR FOR THE UPPER BELLFLOWER ZONE
- ← DIRECTION OF GROUND-WATER FLOW

NOTE: GROUND-WATER CONTOURS WERE DEVELOPED USING WATER LEVEL ELEVATIONS FROM GARDENA VALLEY GROUND-WATER MONITORING WELLS GW-4D, -6D, AND -7D

FIGURE 4-18

BAS
 7141 860-7177
 BRYAN A. STURRY & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1260 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

INTERPRETED GROUND-WATER CONTOURS FOR THE GAGE AQUIFER ON SEPTEMBER 30, 1992 GARDENA VALLEY 1 & 2 LANDFILL

| | |
|-------------|--|
| PROJECT NO. | |
| DATE | |
| DRAWN BY: | |
| CHECKED BY: | |

**TABLE 5-7
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
BASE OF THE BELFLOWER AQUIFER**

| COMPOUND | UPGRADIENT FROM LANDFILL | | | | | | | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | | | |
|---------------------------------|--------------------------|---------|---------|---------|---------|--------|--------|---------|---------|---------|----------------------------|--------|--------|---------|---------|---------|---------|--------|--|--|
| | GW-7C | | | | | GW-4C | | | | | GW-6C | | | | | GW-6C | | | | |
| | 3/2/90 | 3/12/90 | 3/29/90 | 8/21/90 | 1/30/91 | 5/7/91 | 3/2/90 | 3/12/90 | 3/29/90 | 8/21/90 | 1/30/91 | 5/8/91 | 3/2/90 | 3/12/90 | 3/28/90 | 8/22/90 | 1/29/91 | 5/9/91 | | |
| GENERAL MINERALS (mg/L) | | | | | | | | | | | | | | | | | | | | |
| Bicarbonate | 198 | 200 | 198 | 194 | 191 | 189 | 120 | 120 | 120 | 116 | 113 | 115 | 190 | 195 | 206 | 197 | 200 | 194 | | |
| Carbonate | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| Cation/Anion Balance | 0.92 | 0.91 | 1.04 | 0.89 | 1.04 | 1.01 | 1.04 | 0.94 | 1.09 | 1.02 | 0.98 | 0.98 | 0.87 | 1.02 | 1.02 | 1.04 | 1.03 | 0.94 | | |
| Chemical Oxygen Demand | 6 | 5 | 14 | 5 | 7 | 18.6 | 15 | 16 | 21 | 15 | 12 | 46.3 | 6 | 12 | 12 | 14 | 16 | 9.8 | | |
| Chloride | 74.7 | 79.5 | 75 | 65 | 71 | 70 | 1,030 | 1,070 | 1,050 | 925 | 1,140 | 1,180 | 139 | 149 | 140 | 125 | 150 | 140 | | |
| Conductivity | 1,010 | 1,000 | 1,010 | 1,020 | 1,020 | 1,110 | 3,680 | 3,720 | 3,670 | 4,030 | 4,110 | 4,420 | 1,190 | 1,210 | 1,220 | 1,270 | 1,290 | 1,290 | | |
| Nitrate as Nitrogen | 0.05 | 0.05 | 7.2 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.10 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | | |
| Oil and Grease | 0.33 | 0.13 | 0.07 | NA | 0.05 | NA | 0.14 | 0.10 | 0.05 | NA | 0.05 | NA | 0.31 | 0.36 | 0.11 | NA | 0.05 | NA | | |
| Petroleum Hydrocarbons | 0.05 | 0.05 | 0.06 | NA | 0.05 | NA | 0.05 | 0.05 | 0.05 | NA | 0.05 | NA | 0.05 | 0.20 | 0.05 | NA | 0.05 | NA | | |
| pH | 7.57 | 7.62 | 7.91 | 7.48 | 7.72 | 7.69 | 7.37 | 7.36 | 7.57 | 7.4 | 7.36 | 7.31 | 7.77 | 7.43 | 7.74 | 7.74 | 7.59 | 7.59 | | |
| Sulfate | 308 | 276 | 254 | 315 | 223 | 248 | 260 | 410 | 301 | 295 | 286 | 283 | 329 | 252 | 290 | 262 | 255 | 265 | | |
| Surfactants | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.20 | 0.2 | 0.1 | 0.1 | 0.1 | | |
| Total Alkalinity (as CaCO3) | 5 | 5 | 5 | 194 | 191 | 189 | 5 | 5 | 5 | 116 | 113 | 115 | 5 | 5 | 5 | 197 | 200 | 194 | | |
| Total Dissolved Solids | 742 | 674 | 672 | 684 | 744 | 640 | 2,710 | 2,540 | 2,670 | 2,670 | 3,260 | 2,800 | 852 | 746 | 670 | 846 | 802 | 784 | | |
| METALS (mg/L) | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.002 | 0.002 | 0.005 | NA | 0.002 | NA | 0.002 | 0.002 | 0.007 | NA | 0.002 | NA | 0.006 | 0.006 | 0.007 | NA | 0.002 | NA | | |
| Barium | 0.02 | 0.02 | 0.02 | NA | 0.03 | NA | 0.09 | 0.09 | 0.13 | NA | 0.18 | NA | 0.05 | 0.04 | 0.04 | NA | 0.1 | NA | | |
| Beryllium | 0.005 | 0.005 | 0.005 | NA | 0.005 | NA | 0.005 | 0.005 | 0.005 | NA | 0.006 | NA | 0.005 | 0.005 | 0.005 | NA | 0.005 | NA | | |
| Calcium | 117 | 112 | 109 | 109 | 112 | 111 | 402 | 419 | 387 | 430 | 490 | 483 | 121 | 136 | 136 | 140 | 150 | 133 | | |
| Copper | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.06 | 0.02 | 0.02 | 0.02 | | |
| Hardness | 413 | 393 | 385 | 385 | 394 | 391 | 1,440 | 1,500 | 1,400 | 1,540 | 1,740 | 1,720 | 426 | 479 | 474 | 486 | 517 | 460 | | |
| Iron | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| Magnesium | 29.3 | 27.6 | 27.4 | 27.5 | 27.8 | 27.6 | 107 | 109 | 105 | 115 | 126 | 125 | 30.1 | 33.9 | 32.7 | 33.1 | 34.6 | 31.1 | | |
| Manganese | 0.26 | 0.3 | 0.26 | 0.26 | 0.23 | 0.29 | 0.92 | 1.0 | 0.94 | 1.2 | 1.5 | 1.5 | 0.19 | 0.21 | 0.26 | 0.21 | 0.15 | 0.20 | | |
| Molybdenum | 0.02 | 0.02 | 0.03 | NA | 0.01 | NA | 0.03 | 0.03 | 0.02 | NA | 0.01 | NA | 0.02 | 0.03 | 0.02 | NA | 0.02 | NA | | |
| Potassium | 6.2 | 5.9 | 5.5 | 5.5 | 5.4 | 5.3 | 14.1 | 13.5 | 13.6 | 12 | 12.0 | 11.4 | 7.6 | 7.3 | 7.1 | 6.6 | 6.8 | 6.1 | | |
| Selenium | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.02 | 0.02 | | |
| Sodium | 71.7 | 65.8 | 59.6 | 68.3 | 67.0 | 68.9 | 195 | 192 | 155 | 146 | 134 | 132 | 90.5 | 89.2 | 78.5 | 80.2 | 78.4 | 72.5 | | |
| Zinc | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.08 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| VOLATILE ORGANICS (ug/L) | | | | | | | | | | | | | | | | | | | | |
| Carbon Disulfide | 1 | 1 | 1 | 4 | 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |

NOTES:
 Shaded numbers indicate the detection limit for an undetected compound.
 NA: Indicates that a Compound was not analyzed for.

(GV-GW-RI: BELLDEEP: 10/30/92)

GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
BASE OF THE BELFLOWER AQUIFER

| COMPOUND | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | | STANDARD DEVIATION*** | | |
|---------------------------------|---------------------|-------|-------|-----------------|----------------|-------------|-----------------------|-------|--------|-----------------------|--------|-------|
| | GW-7C Background | GW-4C | GW-6C | | | | GW-7C Background | GW-4C | GW-6C | GW-7C Background | GW-4C | GW-6C |
| GENERAL MINERALS (mg/L) | | | | | | | | | | | | |
| Bicarbonate | 6 | 6 | 6 | 5 | - | - | 195 | 117 | 197 | 4.38 | 3.08 | 5.51 |
| Carbonate | 0 | 1 | 1 | 5 | - | - | 5.00 | 24.17 | 38.50 | 0 | 47 | 82 |
| Cation/Anion Balance | 6 | 6 | 6 | --- | - | - | 9.27 | 1.03 | 0.99 | 0.07 | 0.06 | 0.07 |
| Chemical Oxygen Demand | 4 | 6 | 6 | 5 | - | - | 9.27 | 20.88 | 11.63 | 5.69 | 12.79 | 3.47 |
| Chloride | 6 | 6 | 6 | 2 | - | - | 73 | 1066 | 141 | 5 | 89 | 9 |
| Conductivity | 6 | 6 | 6 | --- | - | - | 1028 | 3938 | 1245 | 41 | 302 | 44 |
| Nitrate as Nitrogen | 1 | 1 | 2 | 0.05 | 45 | 10 | 1.24 | 0.05 | 0.06 | 2.92 | 0.00 | 0.02 |
| Oil and Grease | 3 | 2 | 3 | 0.05 | - | - | 0.15 | 0.09 | 0.21 | 0.13 | 0.04 | 0.15 |
| Petroleum Hydrocarbons | 1 | 0 | 1 | 0.05 | - | - | 0.05 | 0.05 | 0.0875 | 0.00 | 0.00 | 0.08 |
| pH | 6 | 6 | 6 | --- | - | - | 7.67 | 7.40 | 7.64 | 0.15 | 0.09 | 0.13 |
| Sulfate | 6 | 6 | 6 | 10 | - | - | 271 | 306 | 276 | 36 | 53 | 29 |
| Surfactants | 5 | 0 | 5 | 0.1 | - | - | 0.13 | 0.10 | 0.15 | 0.05 | 0 | 0.05 |
| Total Alkalinity (as CaCO3) | 3 | 3 | 3 | 5 | - | - | 98 | 60 | 101 | 102 | 60 | 105 |
| Total Dissolved Solids | 6 | 6 | 6 | 10 | 1500/1000/500* | - | 693 | 2775 | 783 | 42 | 252 | 68 |
| METALS (mg/L) | | | | | | | | | | | | |
| Arsenic | 1 | 1 | 3 | 0.002 | 0.05 | 0.05 | 0.003 | 0.003 | 0.005 | 0.002 | 0.003 | 0.002 |
| Barium | 4 | 4 | 4 | 0.01 | 1 | 1 | 0.02 | 0.12 | 0.06 | 0.005 | 0.043 | 0.029 |
| Beryllium | 0 | 1 | 0 | 0.005 | - | - | 0.005 | 0.005 | 0.005 | 0 | 0.0005 | 0 |
| Calcium | 6 | 6 | 6 | 0.05 | - | - | 112 | 435 | 136 | 3 | 42 | 9 |
| Copper | 0 | 0 | 1 | 0.02 | 1.0** | - | 0.02 | 0.02 | 0.03 | 0 | 0 | 0.016 |
| Hardness | 6 | 6 | 6 | 0.5 | - | - | 394 | 1557 | 474 | 10 | 143 | 30 |
| Iron | 0 | 0 | 1 | 0.01 | 0.3* | - | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| Magnesium | 6 | 6 | 6 | 0.01 | - | - | 28 | 115 | 33 | 0.71 | 9.16 | 1.70 |
| Manganese | 6 | 6 | 6 | 0.01 | .05** | - | 0.27 | 1.18 | 0.20 | 0.03 | 0.27 | 0.04 |
| Molybdenum | 3 | 3 | 4 | 0.01 | - | - | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 |
| Potassium | 6 | 6 | 6 | 0.2 | - | - | 5.63 | 12.77 | 6.92 | 0.34 | 1.10 | 0.53 |
| Selenium | 0 | 0 | 1 | 0.002 | 0.01 | 0.01 | 0.002 | 0.002 | 0.008 | 0 | 0 | 0.009 |
| Sodium | 6 | 6 | 6 | 1 | - | - | 67 | 159 | 82 | 4 | 28 | 7 |
| Zinc | 1 | 0 | 1 | 0.01 | 5** | - | 0.01 | 0.01 | 0.02 | 0 | 0 | 0.03 |
| VOLATILE ORGANICS (ug/L) | | | | | | | | | | | | |
| Carbon Disulfide | 2 | 0 | 0 | 1 | - | - | 3.67 | 1.00 | 1.00 | 5.20 | 0 | 0 |

NOTES:

- * - Short Term/Upper/Recommended Maximum Contaminant Levels.
- ** - Indicates State Secondary Drinking Water Standard. All other State MCLs listed are Primary Standards.
- *** - Detection limit values were used for undetected compounds in the calculation of mean concentrations and standard deviations.

GW-6C. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in upgradient monitoring well GW-7C (0.27 mg/l) and in both downgradient wells, GW-4C (1.18 mg/l) and GW-6C (0.20 mg/l). Volatile organic compounds were detected in samples collected from upgradient monitoring well GW-7C, or downgradient monitoring wells GW-4C or GW-6C.

Carbon disulfide was detected twice (08/21/90 - 4 ug/l; 01/30/91 - 14 ug/l) in upgradient monitoring well GW-7C. There is currently no established state or federal MCL for carbon disulfide. No volatile organic compounds were detected during analyses of the samples collected from downgradient monitoring wells GW-4C or GW-6C.

5.2.4 GAGE AQUIFER

The Gage Aquifer groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 3 monitoring wells. Monitoring well GW-7D has been designated as the background monitoring wells while GW-4D and GW-6D have been designated as downgradient monitoring points. Each well was sampled four times during the period between January 28, 1991, and August 25, 1992.

Inorganics analyses of water samples collected from wells GW-4D, GW-6D and GW-7D detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-9 and 5-10). The state "short-term" MCL for chloride (600 mg/l) was exceeded at downgradient location GW-4D (676 mg/l). The "upper" MCL for conductivity (1600 mg/l) was exceeded at downgradient well GW-6D (2,120 mg/l); while the "short-term" MCL (2,200 mg/l) was exceeded at downgradient well GW-4D (2,433 mg/l). The "upper" MCL (500 mg/l) for sulfate was exceeded at downgradient well GW-6D (556 mg/l); while the "short-term" MCL (600 mg/l) was exceeded at downgradient well, GW-4D (614 mg/l). The "short-term" MCL (1500 mg/l) was exceeded at both downgradient wells, GW-4D (2,433 mg/l) and GW-6D (1,533 mg/l).

**TABLE 5-9
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
GAGE AQUIFER**

| COMPOUNDS | UPGRADIENT FROM LANDFILL GW-7D | | | | | | DOWNGRADIENT FROM LANDFILL GW-4D | | | | | | DOWNGRADIENT FROM LANDFILL GW-6D | | | | | |
|---------------------------|-----------------------------------|---------|--------|---------|---------|--------|-------------------------------------|---------|---------|--------|--------|---------|-------------------------------------|--------|--------|---------|--|--|
| | 1/29/91 | 5/17/91 | 8/6/91 | 8/25/92 | 1/30/91 | 5/8/91 | 8/6/91 | 8/25/92 | 1/28/91 | 5/9/91 | 8/6/91 | 8/25/92 | 1/28/91 | 5/9/91 | 8/6/91 | 8/25/92 | | |
| | GENERAL CHEMISTRY (mg/l) | | | | | | | | | | | | | | | | | |
| Bicarbonate as CaCO3 | 158 | 160 | 157 | 166 | 177 | 173 | 177 | 186 | 237 | 586 | 294 | 250 | 237 | 586 | 294 | 250 | | |
| Total Alkalinity as CaCO3 | 158 | 160 | 157 | 166 | 177 | 173 | 177 | 186 | 237 | 586 | 294 | 250 | 237 | 586 | 294 | 250 | | |
| Cation/Anion Balance | 1.06 | 0.93 | 1.01 | 1.01 | 0.98 | 1.05 | 0.89 | 0.96 | 1.09 | 0.95 | 1.01 | 0.99 | 1.09 | 0.95 | 1.01 | 0.99 | | |
| Chloride | 60 | 55 | 90 | 60 | 683 | 650 | 680 | 690 | 120 | 245 | 280 | 115 | 120 | 245 | 280 | 115 | | |
| Chemical Oxygen Demand | 5 | 17.0 | 5 | 9 | 21 | 45.2 | 53 | 79 | 17 | 149 | 33 | 55 | 17 | 149 | 33 | 55 | | |
| Electrical Conductivity | 658 | 685 | 677 | 636 | 3210 | 3750 | 3040 | 3300 | 1990 | 2470 | 1980 | 2040 | 1990 | 2470 | 1980 | 2040 | | |
| Nitrate (as Nitrogen) | | | | 0.05 | | | | 0.11 | | | | 0.06 | | | | 0.06 | | |
| pH | 7.83 | 7.72 | 7.73 | 7.04 | 7.47 | 7.29 | 7.49 | 6.71 | 7.6 | 6.82 | 7.13 | 7.17 | 7.6 | 6.82 | 7.13 | 7.17 | | |
| Sulfate | 79.0 | 111 | 10.7 | 70.8 | 623 | 535 | 590 | 708 | 618 | 429 | 370 | 806 | 618 | 429 | 370 | 806 | | |
| Total Dissolved Solids | 350 | 382 | 370 | 372 | 2340 | 2330 | 2710 | 2350 | 1440 | 1540 | 1560 | 1590 | 1440 | 1540 | 1560 | 1590 | | |
| Calcium | 57.4 | 57.4 | 50.4 | 59.1 | 420 | 417 | 360 | 443 | 264 | 190 | 212 | 290 | 264 | 190 | 212 | 290 | | |
| Total Hardness | 206 | 206 | 186 | 211 | 1490 | 1480 | 1320 | 1550 | 933 | 919 | 859 | 1020 | 933 | 919 | 859 | 1020 | | |
| Oil and Grease | 0.05 | NA | NA | NA | 0.05 | NA | NA | NA | 0.21 | NA | NA | NA | 0.21 | NA | NA | NA | | |
| Sodium | 60.6 | 54.7 | 49.4 | 51.9 | 115 | 112 | 104 | 114 | 93.4 | 173 | 98.6 | 98.1 | 93.4 | 173 | 98.6 | 98.1 | | |
| Potassium | 4.0 | 3.9 | 3.7 | 3.8 | 8.9 | 8.7 | 8.4 | 8.9 | 7.3 | 5.3 | 5.2 | 6.9 | 7.3 | 5.3 | 5.2 | 6.9 | | |
| METALS (mg/l) | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.002 | NA | NA | NA | 0.011 | NA | NA | 0.002 | 0.002 | NA | NA | NA | 0.002 | NA | NA | NA | | |
| Barium | 0.02 | NA | NA | NA | 0.17 | NA | NA | 0.05 | 0.05 | NA | NA | NA | 0.05 | NA | NA | NA | | |
| Iron | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.03 | 0.02 | 0.24 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| Nickel | 0.01 | NA | NA | NA | 0.01 | NA | NA | 0.02 | 0.02 | NA | NA | NA | 0.02 | NA | NA | NA | | |
| Magnesium | 15.2 | 15.2 | 14.7 | 15.3 | 108 | 107 | 103 | 108 | 66.4 | 108 | 80.1 | 71.4 | 66.4 | 108 | 80.1 | 71.4 | | |
| Manganese | 0.02 | 0.08 | 0.08 | 0.08 | 0.45 | 0.37 | 0.36 | 0.37 | 0.12 | 1.3 | 0.91 | 0.28 | 0.12 | 1.3 | 0.91 | 0.28 | | |
| Selenium | | | | 0.008 | | | | 0.002 | | | | | 0.002 | | | 0.002 | | |
| Zinc | 0.01 | 0.01 | 0.05 | 0.05 | 0.01 | 0.01 | 0.05 | 0.03 | 0.03 | 0.01 | 0.05 | | 0.03 | 0.01 | 0.05 | | | |

TABLE 5-9
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
GAGE AQUIFER

| COMPOUNDS | UPGRADIENT FROM LANDFILL GW-7D | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | |
|--------------------------------------|--------------------------------------|--------|--------|---------|-------------------------------|--------|--------|---------|---------|--------|--------|---------|
| | | | | | GW-4D | | | | GW-6D | | | |
| | 1/29/91 | 5/7/91 | 8/6/91 | 8/25/92 | 1/30/91 | 5/8/91 | 8/6/91 | 8/25/92 | 1/28/91 | 5/9/91 | 8/6/91 | 8/25/92 |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Methylene Chloride | 5 | 5 | 5 | 1 | 5 | 17 | 5 | 1 | 5 | 5 | 5 | 1 |
| Cis-1,2-Dichloroethene | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 1 | 1 |
| 1,2-Dichloroethane | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 |
| Benzene | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| Trichloroethene | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 3 |
| Tetrachloroethene | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 2 | 7 |
| Ethylbenzene | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| Xylenes (Total) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| 4-Methyl-2-Pentanone (MIBK) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Chlorobenzene | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| SEMI-VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Isophorone | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 47 | 16 | 10 |

NOTES:

Shaded numbers indicate the detection limit for an undetected compound.

NA: Indicates that a Compound was not analyzed for.

(GV-FW:D-SUM:10-31-92)

**TABLE 5-10
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
GAGE AQUIFER**

| COMPOUNDS | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | | STANDARD DEVIATION*** | | |
|---------------------------------|------------------|-------|-------|-----------------|----------------|-------------|-----------------------|-------|-------|-----------------------|-------|-------|
| | GW-7D Background | GW-4D | GW-6D | | | | GW-7D Background | GW-4D | GW-6D | GW-7D Background | GW-4D | GW-6D |
| GENERAL CHEMISTRY (mg/l) | | | | | | | | | | | | |
| Bicarbonate as CaCO3 | 4 | 4 | 4 | - | - | - | 160 | 178 | 342 | 4.03 | 5.50 | 165 |
| Total Alkalinity as CaCO3 | 4 | 4 | 4 | - | - | - | 160 | 178 | 342 | 4.03 | 5.50 | 165 |
| Cation/Anion Balance | 4 | 4 | 4 | - | - | - | 1.00 | 0.97 | 1.01 | 0.05 | 0.07 | 0.06 |
| Chloride | 4 | 4 | 4 | - | 600/500/250* | - | 66 | 676 | 190 | 16.01 | 17.67 | 85 |
| Chemical Oxygen Demand | 2 | 4 | 4 | 5 | - | - | 9 | 50 | 64 | 5.66 | 23.90 | 59 |
| Electrical Conductivity | 4 | 4 | 4 | - | 2200/1600/900* | - | 664 | 3325 | 2120 | 22 | 303 | 235 |
| Nitrate as Nitrogen | 0 | 1 | 1 | - | 45 | 10 | - | - | - | - | - | - |
| pH | 4 | 4 | 4 | - | - | - | 7.58 | 7.24 | 7.18 | 0.36 | 0.36 | 0.32 |
| Sulfate | 4 | 4 | 4 | - | 600/500/250* | - | 68 | 614 | 556 | 42 | 72 | 198 |
| Total Dissolved Solids | 4 | 4 | 4 | - | 1500/1000/500* | - | 369 | 2433 | 1533 | 13 | 185 | 65 |
| Calcium | 4 | 4 | 4 | - | - | - | 56 | 410 | 239 | 3.87 | 35 | 46 |
| Total Hardness | 4 | 4 | 4 | - | - | - | 202 | 1460 | 933 | 11 | 98 | 66 |
| Oil and Grease | 0 | 0 | 1 | 0.05 | - | - | 0.05 | 0.05 | 0.21 | NA | NA | NA |
| Sodium | 4 | 4 | 4 | - | - | - | 54 | 111 | 116 | 4.81 | 4.99 | 38 |
| Potassium | 4 | 4 | 4 | - | - | - | 3.85 | 8.73 | 6.18 | 0.13 | 0.24 | 1.08 |
| METALS (mg/l) | | | | | | | | | | | | |
| Arsenic | 0 | 1 | 0 | 0.002 | 0.05 | 0.05 | 0.002 | 0.011 | 0.002 | NA | NA | NA |
| Barium | 1 | 1 | 1 | 1 | 1 | 1 | 0.02 | 0.17 | 0.05 | NA | NA | NA |
| Iron | 1 | 3 | 2 | 0.01 | 0.3** | - | 0.01 | 0.075 | 0.01 | 0.01 | 0.11 | 0.00 |
| Nickel | 0 | 0 | 1 | 0.01 | - | - | 0.01 | 0.01 | 0.02 | NA | NA | NA |
| Magnesium | 4 | 4 | 4 | - | - | - | 15 | 106.5 | 81 | 0.27 | 2.38 | 19 |
| Manganese | 4 | 4 | 4 | - | 0.05** | - | 0.065 | 0.39 | 0.65 | 0.03 | 0.04 | 0.55 |
| Selenium | 1 | 0 | 0 | - | - | - | - | - | - | - | - | - |
| Zinc | 0 | 0 | 1 | 0.01 | 5** | - | 0.03 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 |

TABLE 5-10
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
GAGE AQUIFER

| COMPOUNDS | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | | STANDARD DEVIATION*** | | |
|--------------------------------------|---------------------|-------|-------|--------------------|--------------|----------------|-----------------------|-------|-------|-----------------------|-------|-------|
| | GW-7D Background | GW-4D | GW-6D | | | | GW-7D Background | GW-4D | GW-6D | GW-7D Background | GW-4D | GW-6D |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Methylene Chloride | 0 | 1 | 0 | 5 | - | - | 4 | 7 | 4 | 2.00 | 6.93 | 2.00 |
| Cis-1,2-Dichloroethene | 0 | 0 | 1 | 1 | - | - | 1 | 1 | 4 | 0.00 | 0.00 | 6.00 |
| 1,2-Dichloroethane | 0 | 0 | 1 | 1 | 0.5 | 5 | 1 | 1 | 2.00 | 0.00 | 0.00 | 2.00 |
| Benzene | 0 | 0 | 1 | 1 | 1 | 5 | 1 | 1 | 1.25 | 0.00 | 0.00 | 0.50 |
| Trichloroethene | 0 | 0 | 3 | 1 | 5 | 5 | 1 | 1 | 2.50 | 0.00 | 0.00 | 1.91 |
| Tetrachloroethene | 0 | 0 | 3 | 1 | 5 | - | 1 | 1 | 4 | 0.00 | 0.00 | 2.94 |
| Ethylbenzene | 0 | 0 | 1 | 1 | 680 | - | 1 | 1 | 1.25 | 0.00 | 0.00 | 0.50 |
| Xylenes (Total) | 0 | 0 | 1 | 1 | 1750 | - | 1 | 1 | 1.25 | 0.00 | 0.00 | 0.50 |
| 4-Methyl-2-Pentanone (MI) | 0 | 0 | 1 | 1 | - | - | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 |
| Chlorobenzene | 0 | 1 | 0 | 1 | - | - | 1 | 1.25 | 1 | 0.00 | 0.50 | 0.00 |
| SEMI-VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Isophorone | 0 | 0 | 2 | 10 | - | - | 10 | 10 | 20.75 | 0.00 | 0.00 | 17.73 |

NOTES:

- * - Short Term/Upper/Recommended Maximum Contaminant Levels.
- ** - Indicates State Secondary Drinking Water Standard. All other State MCLs listed are Primary Standards.
- *** - Detection limit values were used for undetected compounds in the calculation of mean concentrations and standard deviations.

(GV-GW:D-SUM:04-20-93)

Metals analyses detected low concentrations of eight metals in groundwater samples collected from the Gage Aquifer wells. Five metals were detected at least once in upgradient well GW-7C and downgradient well GW-4D. Six metals were detected at least once in downgradient well GW-6D. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in upgradient monitoring well GW-7D (0.065 mg/l) and in both downgradient wells, GW-4D (0.39 mg/l) and GW-6D (0.65 mg/l).

No semi-volatile organic compounds were detected in samples collected from upgradient monitoring well GW-7C, or downgradient monitoring well GW-4D. However, isophorone was detected twice (05/09/91 - 47 ug/l; 08/06/91 - 16 ug/l) in samples collected from downgradient monitoring well GW-6D. Isophorone was not detected in the most recent sampling round conducted on August 25, 1992. Therefore, it appears as though the original detected spike of this compound has declined to below detectable concentrations. No established state or federal drinking water standards currently exist for this compound.

No volatile organic compounds were detected during analyses of the samples collected from upgradient monitoring well GW-7A. Methylene chloride and chlorobenzene were both detected once in samples collected from downgradient monitoring well GW-4D (05/08/91 - 17 ug/l; 08/06/91 - 2 ug/l, respectively). Eight volatile organic compounds, cis-1,2-dichloroethene (13 ug/l), 1,2-dichloroethene (5 ug/l), benzene (2 ug/l), trichloroethene (TCE) (5 ug/l), tetrachloroethene (PCE) (6 ug/l), ethylbenzene (2 ug/l), xylenes (2 ug/l), 4-methyl-2-pentanone (10 ug/l) were detected in downgradient well GW-6D for the first time, during the May 1991 sampling event. With the exception of TCE and PCE none of these compounds have been detected in any of the monitoring wells since that sampling event. Due to this isolated spike of volatile organics concentrations the mean concentration of benzene for GW-6A exceeded the state MCL (1.0 ug/l). Mean concentrations of 1,2-dichloroethane exceeded the state MCL (0.5 ug/l) in all of the wells due to the fact that the MCL is below the method detection limit (MDL) for the laboratory analyses (1.0 ug/l).

5.3 CONCLUSIONS

5.3.1 SHALLOW BELLFLOWER ZONE

The only ARARs for inorganic compounds exceeded by samples collected in the shallow monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, and manganese (secondary MCL). Although five volatile organic compounds were detected in downgradient well GW-6A only 1,2-dichloroethane, which was detected twice, exceeded an established ARAR (state primary MCL). No volatile organic compounds were detected in samples collected from downgradient wells GW-10A and GW-13A. A single volatile organic compound, tetrachloroethene was detected, at the laboratory detection limit, in three of the four samples collected from upgradient well GW-7A. Based on these results, the fact that the Bellflower zone is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill is impacting the groundwater quality of the shallow bellflower zone. However, the impact is not considered to be significant.

5.3.2 INTERMEDIATE BELLFLOWER ZONE

The only ARARs exceeded by samples collected in the intermediate Bellflower zone monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, and manganese (secondary MCL). Two volatile organic compounds were detected in downgradient well GW-6B during the May 1991 sampling event. These were detected at low concentration levels, and were not in exceedance of any established ARARs. Based on these results, the fact that the Bellflower zone is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill may be impacting the intermediate bellflower zone. However, the impact is not considered to be significant.

5.3.3 DEEP BELLFLOWER ZONE

The only ARARs exceeded by samples collected in the deep Bellflower zone monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, and manganese (secondary MCL). Carbon disulfide was detected twice in upgradient well GW-7C. The most recent sampling round showed no detectable concentration levels of carbon disulfide. There are no established state or federal MCLs for this compound. Based on these results, the fact that the Bellflower zone is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill is not impacting the water quality of the deep bellflower zone.

5.3.4 GAGE AQUIFER

The only ARARs exceeded by samples collected in the Gage Aquifer monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, manganese (secondary MCL), 1,2 dichloroethane, and benzene. The final two compounds listed were detected only in downgradient monitoring well GW-6D during the May, 1991 sampling event along with several other volatile organic compounds which have not been detected since. Based on these results, the fact that the Gage Aquifer is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill may be impacting water quality in the Gage Aquifer, however, this impact is not considered significant. In addition, the impact to the Gage Aquifer may have resulted from the construction of wells GW-1, GW-2, and GW-3 at the Gardena Valley 1 & 2 site, which potentially created vertical conduits for migration of contaminants into the Gage. However, with the DTSC supervised abandonment of these three wells (Section 3.10) this potential pathway has been eliminated.

Permitted wastes included combustible and noncombustible rubbish, mixed garbage, construction refuse, insoluble solid industrial wastes, solid fill, and "a few specified innocuous industrial wastes and sludges". Hog waste was included by special consideration. Industrial liquid wastes, sludges and water-soluble solids were specifically excluded. The permit conditions specified that waste materials accepted by the site consist of 75 percent residential waste and 25 percent other wastes. Other wastes consisted predominantly of construction refuse. As the filling proceeded to the west, a larger portion of the 25 percent "other wastes" consisted of insoluble solid industrial waste. Landfill permit conditions also required a ratio of one part clean soil to three parts waste material.

The following materials were specifically allowed to be disposed of at Gardena Valley 1 & 2 by the Los Angeles Regional Water Quality Control Board under Resolution #58-26. The exact quantities and types of wastes disposed of are unknown.

- o Solid ordinary household wastes;
- o Semi-liquids (10 gallon/yd³);
- o Rotary drill mud and crude oil tank bottoms;
- o Drill crude;
- o Unrefined petroleum tank cleanings;
- o Paint sludge and dry paint in drums;
- o Acetylene sludge;
- o Auto wash sludge;
- o Laundry sludge;
- o Latex;
- o Lime and soda water;
- o Molasses;
- o Cutting oil containing small amounts of hydrocarbon; and,
- o Certain semi-liquid wastes on a case-by-case basis.

It is estimated that the entire Gardena Valley 1 & 2 Landfill received approximately 938,250 cubic yards of wastes. Approximately 440,125 cubic yards are estimated to have been placed in that portion of the landfill being investigated for this Remedial Investigation (RI). The southern portion of the landfill is estimated to contain approximately 108,337 cubic yards. These calculations take into consideration a permitted 3:1 ratio of solid waste to clean soil material in determining the actual waste quantities received.

Since 1983, several investigations have been performed at the site, including a Wastefill Remedial Investigation, Baseline Health Risk Assessment, Feasibility Study, and Remedial Action Plan. A summary of these investigations is included in the approved RI/FS Work Plan and Section 3.0 of this report.

The site has been considered for commercial development since 1963. Other portions of the former landfill, to the north across the Torrance Lateral and to the south of the property have been developed. In 1980, the City of Carson requested the State Department of Health Services (DHS), Toxic Substances Control Division, currently DTSC, to evaluate the site to determine if it is a hazardous waste property as defined in the Health and Safety Code, Chapter 6.5., Article 11. The site was owned at that time by R.A. and Nadine I. Watt, Equitable Savings, and Ross P. and Jeannette McDaniel. The site was purchased in 1985 by Jules Walder of London Pacific Investments, Inc. (LPI). Neither Jules Walder nor LPI was responsible for the placement of any waste materials in the landfill. On April 18, 1989, LPI entered into a Consent Agreement with DHS. The objective of the Consent Agreement is to ensure that any release or threatened release of contaminants is thoroughly investigated, that appropriate remedial actions are taken, and that any proposed development of the land is achieved in a manner that ensures public health and safety and protects the environment.

In accordance with this Consent Agreement, a Remedial Investigation/ Feasibility Study (RI/FS) Work Plan was prepared by Bryan A. Stirrat & Associates, Inc. (BAS) outlining all tasks to be completed in order to determine the nature and extent of contamination at the site, and to collect all necessary

data to support a comprehensive Health Risk Assessment and Feasibility Study. The RI/FS Work Plan was submitted to DHS for review and comment on June 1, 1989, and approved on December 28, 1989.

On January 10, 1990, upon approval of the RI/FS Work Plan, mobilization began and field activities were initiated. To date, all elements of the December 28, 1989, Final (RI/FS) Work Plan have been completed. On April 18, 1990, an Interim Report was submitted which provided preliminary findings of the wastefill and hydrogeologic characterization. Due to anomalies encountered in the hydrogeologic portion of the RI, supplemental work plans were prepared and submitted to DHS and additional groundwater monitoring wells were installed on the site. A post-interim report was submitted on August 8, 1990, which reported the progress of the hydrogeologic investigation. A total of eighteen monitoring wells and piezometers have been constructed for this investigation.

Due to delays encountered in the hydrogeologic portion of the investigation and the need to address gas migration problems associated with the wastefill and infiltration of water into the landfill, the Department approved dividing the project into two separate "operable units". The two operable units are "Wastefill" and "Groundwater" and will be addressed as separate programs. The use of two operable units will not affect the ultimate remedial alternatives due to the fact that the remedial measures for groundwater will be placed outside of that portion of the landfill being investigated for wastefill.

As a result of this division, new schedules and documents associated with the two units have been developed. This RI report is intended to address only those elements related to the Groundwater Operable Unit. The RI Report, Baseline Health Risk Assessment, Feasibility Study Report, and Remedial Action Plan for the Wastefill Operable Unit have been completed and approved by DTSC. The remedial design for the Wastefill Operable Unit is currently being prepared.

1.2 PURPOSE AND OBJECTIVES

The purpose of this RI was to characterize the nature and extent of groundwater contamination and to evaluate the nature and extent of risk posed by the subject site, provide information to evaluate potential remedial options, and ensure that any proposed development is achieved in a manner that is protective of public health, safety, and the environment.

At DTSC's direction, the work completed and data collected under the December 28, 1989 RI/FS Work Plan have been summarized in this RI Report. This RI Report has been prepared in accordance with and is intended to comply with the requirements of the Consent Agreement issued by the Department of Health Services (DHS) on April 18, 1989, and was prepared using the Environmental Protection Agency (EPA) RI/FS guidance documents, the National Contingency Plan (40 CFR Part 300), as amended, as well as the applicable state laws and regulations. Where appropriate, this report has incorporated all activities to be completed for compliance with the Water Quality Solid Waste Assessment Test (SWAT) required by the Regional Water Quality Control Board (RWQCB).

The objectives of the RI for the Groundwater Operable Unit (herein after referred to as the Groundwater RI) were to:

- o Determine the nature and extent of groundwater contamination, if any;
- o Identify all existing and potential contaminant migration pathways, including the direction, rate, and dispersion of contaminant migration;
- o Identify potential remedial actions to be analyzed in the FS and gather sufficient data to support the study of those potential actions; and,
- o Validate past results and expand on previous investigations, where appropriate, including chemical analysis and physical dimensions.

1.3 REPORT ORGANIZATION

This report is separated into three volumes. Volume I of this report is separated into eight sections. Section 1.0 is this introduction, Section 2.0 includes a summary of previous investigations conducted at the site. Section 3.0 provides a summary of all field work that was done in conjunction with the groundwater portion of this investigation. Section 4.0 provides a description of the regional and local geologic and hydrogeologic conditions. These descriptions are derived from information gathered during the field investigations at the Gardena Valley 1 & 2 Landfill, investigations of other sites in the local area, and a review of literature concerning the City of Carson area. Section 5.0 summarizes the nature and extent of groundwater contamination for that portion of the Gardena Valley 1 & 2 Landfill that is the subject of this RI. This section includes: characterization of background and downgradient conditions in the shallow, intermediate, and deep zones of the Bellflower Aquifer and in the underlying Gage Aquifer. Section 6.0 identifies any data limitations due to the physical constraints of the site, and Section 7.0 and 8.0 provide an overview of the community relations activities to date and the Health and Safety planning, respectively.

Volume II contains Appendices A through D. Appendix A contains data related to the Site Investigation. Appendix B contains the Site Investigation Plans. Appendix C contains tables summarizing the laboratory results and Appendix D is a summary of Quality Assurance Activities.

Volumes III and IV contain Appendix E which includes all the raw data from the laboratory results.

2.4 "PHASE II GROUNDWATER SAMPLING", NOVEMBER 26, 1985 BY BCL ASSOCIATES, PRESENTED AS APPENDIX H TO A LETTER DATED JANUARY 27, 1986, FROM ROBERT L. LITZENBERG, PRESIDENT, BCL ASSOCIATES TO MR. ALLEN K. WOLFENDEN OF CA DHS.

2.4.1 GENERAL SUMMARY

This was a resampling, required by DHS, of the three groundwater wells originally sampled by BCL (Figure 3-1). The purpose of the resampling was to analyze water samples from the site for the U.S. EPA priority pollutant volatile organic compounds, 2-chlorophenol, phenol, 2,4,6-trichlorophenol, phthalates, and zinc. Sampling occurred on November 26, and 27, 1985.

2.4.2 SIGNIFICANT RESULTS

- o Wells GW-1, 2, and 3 had recorded benzene levels equal to or higher than the CAL OSHA action level standard for drinking water (0.7 parts per billion (ppb)). The levels measured were 0.7 ppb, 28 ppb, and 30 ppb, respectively;
- o Well 2 had a recorded 2,4,6-Trichlorophenol concentration of 26 ppb, which was above the EPA NAWQC limits; and,
- o None of the other contaminants investigated exceeded these standards in any of the sampled wells.

2.5 "SWAT PROPOSAL FOR THE FORMER GARDENA VALLEY 1 & 2 LANDFILL", DECEMBER 4, 1987, BY BAS

2.5.1 GENERAL SUMMARY

- o The SWAT proposal was prepared in response to the Regional Water Quality Control Board's requirements for Solid Waste Assessment Tests at all landfill sites;

- o The objective of the proposal was to detect an immediate release of the subject site to groundwater or within the vadose zone; and,
- o The proposal was approved on April 7, 1988.

2.6 "SOLID WASTE WATER QUALITY ASSESSMENT TEST (SWAT) REPORT FOR GARDENA VALLEY 1 & 2 LANDFILL", BAS, JUNE 30, 1988

2.6.1 GENERAL SUMMARY

- o Implementation of the proposal was hindered due to the inaccessibility of the northern property in placing an upgradient well. The State Water Resources Control Board Legal Counsel finally intervened to obtain access in November 1988.

The SWAT Report for the site was due on June 30, 1988. Although work had not been performed, the RWQCB requested that a report be submitted containing only background material. Future work is to be submitted as an addendum

- o During negotiations with the northern property owners the SWAT proposal was revised on October 11, 1988. The final proposal consists of one upgradient and three downgradient monitoring wells screened at first significant water (semi-perched zone). Three lysimeters will also be installed to monitor the vadose zone. The installation and sampling of the lysimeters and groundwater wells are included in the Sampling Plan, Appendix A of this work plan.
- o Two of the groundwater wells were installed prior to initiation of the RI. These wells are GW-5a and 6a. Soil samples were collected at 10-foot, 30-foot, and 50-foot depths. The analyses performed included EPA Methods 8240, 8080 and CCR Metals. No compounds included in the EPA Method 8240 and EPA Method 8080 were detected. The samples were collected at 5-foot intervals using a split spoon sampler.
- o The remaining work was performed as part of this RI.

SECTION 3.0

**GEOLOGICAL AND HYDROGEOLOGICAL
FIELD PROGRAM**

3.0 GEOLOGICAL AND HYDROGEOLOGICAL FIELD PROGRAM

3.1 OBJECTIVE

The objective of this investigation has been to characterize the geology, hydrogeology, and chemistry of the subsurface at the Gardena Valley 1 & 2 Landfill. This has been accomplished: 1) by drilling additional borings in and around the site and analyzing selected soil samples from these borings for chemistry and lithology, 2) by installing and sampling vapor wells in the onsite fill and analyzing these samples in order to characterize landfill gases, 3) by completing three groundwater monitoring well clusters (groups of closely spaced wells monitoring different depth intervals) and six individual wells at locations surrounding the site, 4) by monitoring water samples from several of these wells for chemical constituents, 5) by performing slug tests at each of the three monitoring well clusters to determine the hydraulic properties of shallow hydrogeologic units beneath the site including the upper Gage Aquifer, and 6) by measuring water levels at each of the wells onsite and additional wells surrounding the site in order to evaluate the horizontal and vertical components of groundwater flow beneath the site.

3.2 PLANS AND MANAGEMENT

In order to comply with a consent agreement issued by the Department of Toxic Substances Control (DTSC) on April 18, 1989, **Bryan A. Stirrat & Associates (BAS)** submitted a final work plan in December 1989 that included this field investigation. Subsequent field investigations were deemed necessary, and agreed upon by DTSC, to address preliminary data deficiencies. The original planned field investigation included the construction, sampling, and hydraulic testing of eight monitoring wells in three monitoring well clusters on the perimeter of the waste fill area to monitor the Bellflower Aquiclude (Bellflower). The plan also included the construction of four vapor/leachate wells, the drilling of four exploratory soil borings in the waste fill area, and the abandonment of three existing monitoring wells in the Gage Aquifer. This field

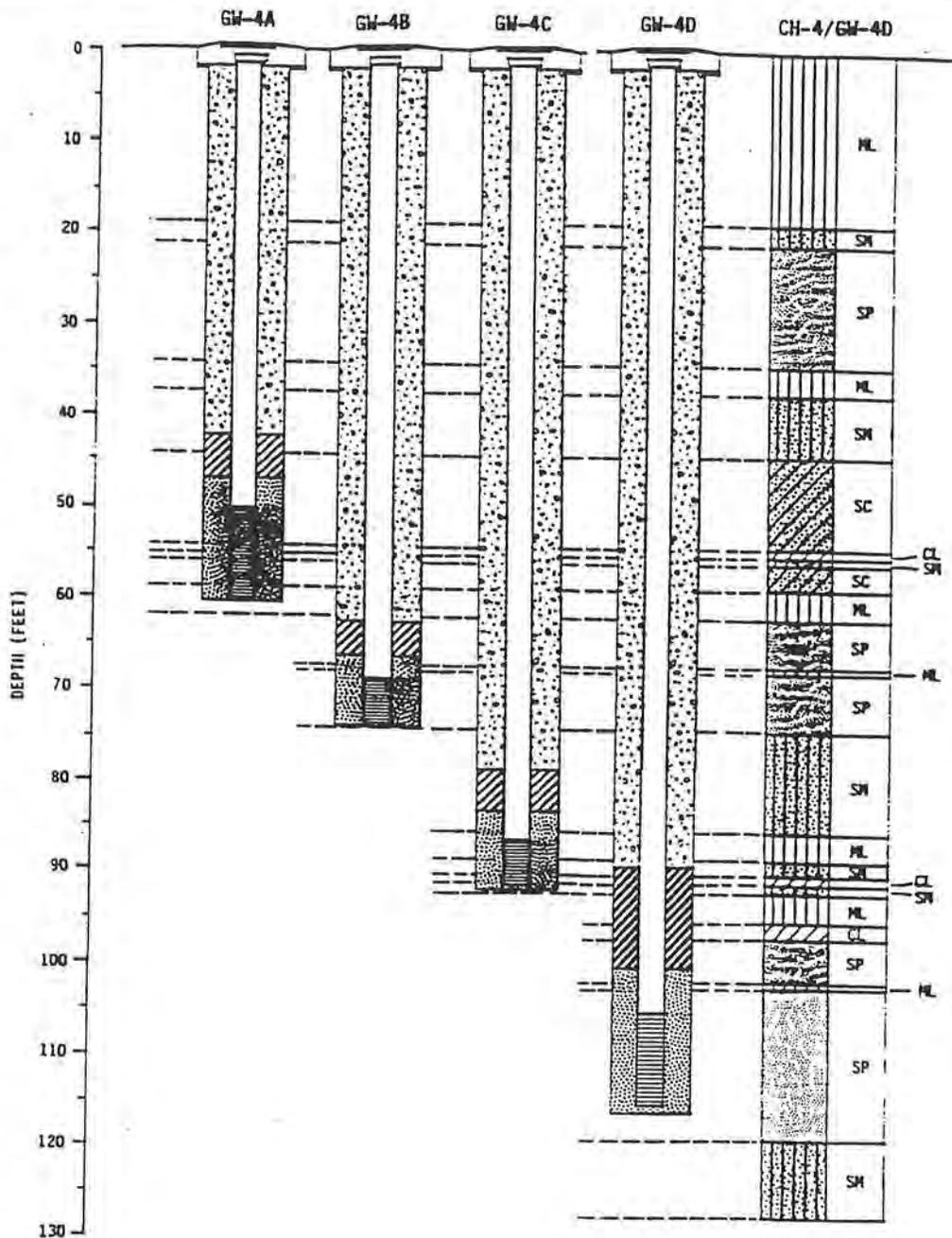
investigation along with the findings and further recommendations are reported in the April 1990 Interim Report (BAS, 1990). The additional investigation conducted included the drilling and installation of nine groundwater monitoring wells. Three of these included one at each well cluster to monitor the Gage Aquifer, and six isolated wells to monitor the upper Bellflower. The procedures for drilling the borings for the three Gage wells were outlined in a letter to the DTSC dated October 18, 1990. In order to fully characterize the potentiometric surface of the Upper Bellflower Aquifer, several existing wells outside the immediate site area were also used to monitor the groundwater elevations. Except where noted, field activities were carried out in accordance with procedures outlined in the work plan and the October 18, 1990, letter. Watkins-Johnson Environmental, Inc. (WJE), formerly R. L. Stollar & Associates (RLSA), was retained by BAS to supervise drilling and well construction activities, to perform hydraulic testing, and to prepare the geologic and hydrogeologic portions of this report.

3.3 DRILLING PROCEDURES

The DTSC, after reviewing the initial work plan, required that one borehole be drilled using continuous coring methods at each of the three groundwater monitoring well cluster locations. Three boreholes, CH-4, CH-6, and CH-7, were drilled using a 5 1/8-inch outside diameter (OD), 94-millimeter Christiansen coring rig. CH-4, -6, and -7 were drilled to depths of 107 feet, 93 feet, and 98.7 feet below ground surface (BGS), respectively. During this initial phase of the investigation, the DTSC did not want these boreholes to significantly penetrate the Gage Aquifer which was believed to be present under the site. Therefore, the continuously cored boreholes were terminated as soon as the unit thought to be the Gage Aquifer was encountered in the cores. All of the boring locations are shown in Figure 3-1. Borings CH-4, -6, and -7 were grouted from the total depth to the ground surface with volclay grout.

It was the original goal of the investigation to construct well clusters so that one well would be screened in the upper zone (A), middle zone (B), and lower zone (C) within the Bellflower at each of three locations surrounding the site. A shallow well (GW-6A) already existed at one of these three locations. Therefore, only eight additional wells were required. One of these planned wells, GW-6B, was not installed because there was insufficient vertical distance between the screened intervals of GW-6A and -6C to isolate the "B" zone. In addition, one well screened in the upper zone had been previously installed at a fourth location (GW-5A). Because of the complicated geometry of the water-table surface in the upper Bellflower as determined from water levels in the initial wells screened in this interval (GW-4A, -5A, -6A, and -7A), six additional wells (GW-8A, -9A, -10A, -11A, -12A, and -13A) were required to further characterize the hydrogeology of the upper Bellflower. Upper zone wells GW-4A and -7A were drilled using 10 7/8-inch OD hollow-stem augers. Upper zone wells GW-8A, -9A, -10A, -11A, -12A, and -13A were drilled using 8-inch OD hollow-stem augers. All of the borings for the middle and lower zone wells (GW-4B, -4C, -6C, -7B, and -7C) were drilled using a dual-wall reverse circulation percussion hammer rig with a 10 7/8-inch OD outer casing and an 8-inch inside diameter (ID) inner casing. The total depths of each boring are shown in the well design and lithology diagrams (Figures 3-2 through 3-7).

In order to confirm the absence of Benzene in the Gage Aquifer beneath the site, DTSC required that three additional wells be installed in the Gage (GW-4D, -6D, and -7D). The borings for these wells were drilled to depths up to 119 feet BGS. The boring for Well GW-4D was drilled using a mud rotary drilling rig with a 10-inch tri-cone bit. Two previous unsuccessful attempts were made to install a well at this location with a hollow-stem auger rig. The attempts failed due to flowing sand problems that inhibited proper well construction. The borings for wells GW-6D and -7D were also drilled with a mud rotary drilling rig utilizing the Christiansen 94-millimeter system to drill a pilot hole and a 10-inch tri-cone bit to complete the wells. The total depths of each boring are shown in the well design and lithology diagrams (Figures 3-2 through 3-4).



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK

- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-2



(714) 860-7777

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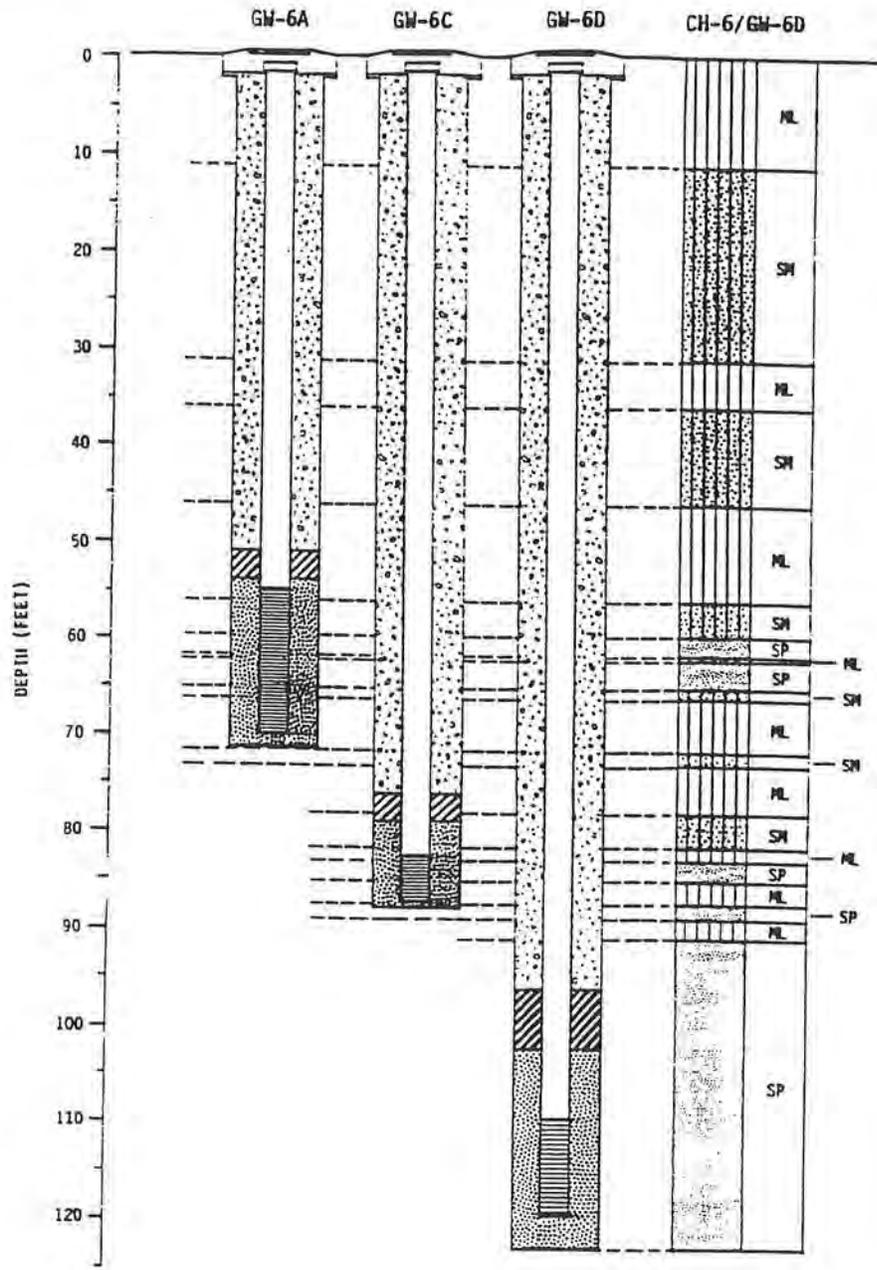
WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-4A, GW-4B, GW-4C AND GW-4D

JOB NO.

DATE

DRAWN BY:

CHECKED BY:



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SILT (ML)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK
- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-3

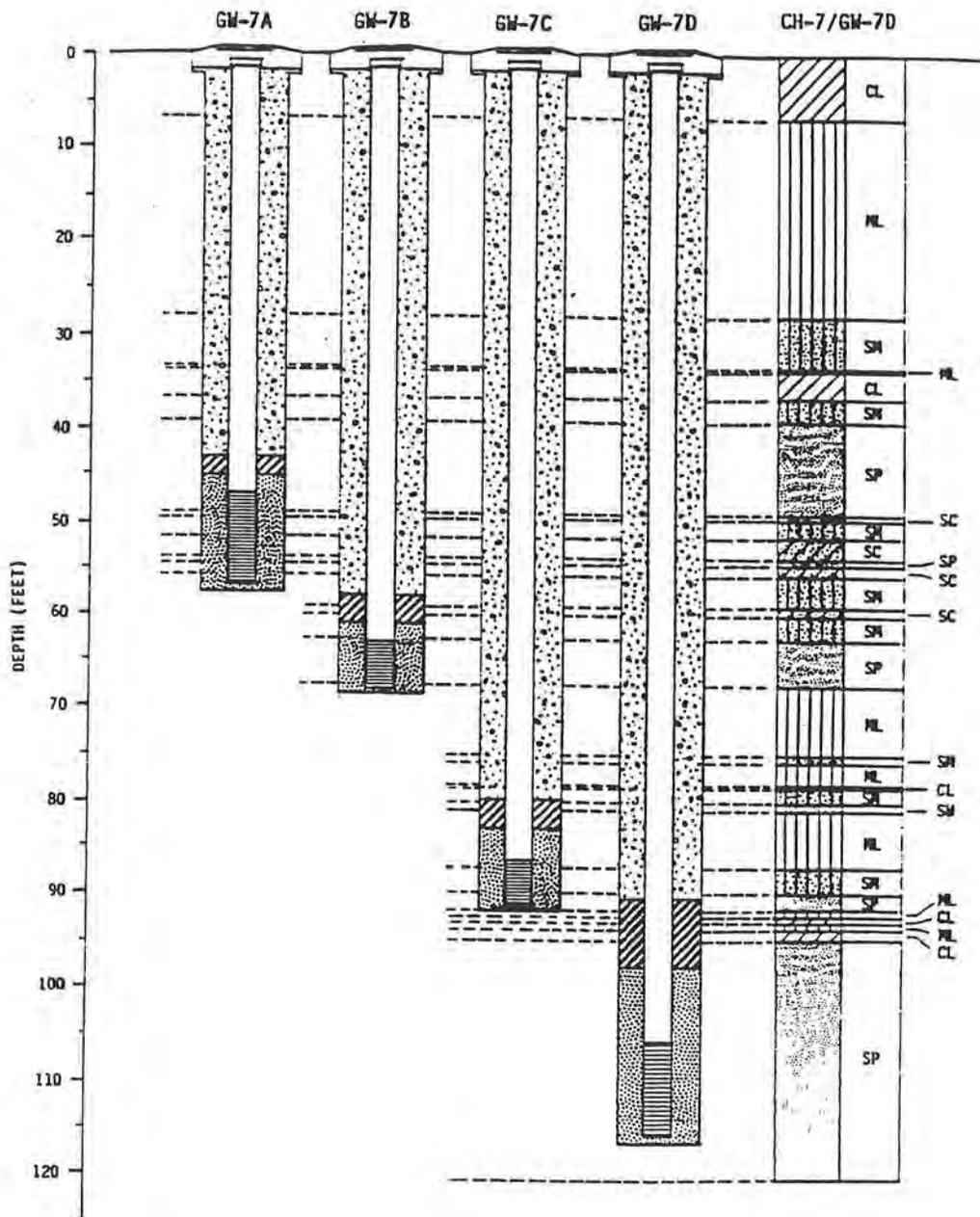


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WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-6A, GW-6C AND GW-6D

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|-------------|
| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK

- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-4



[714] 860-7777

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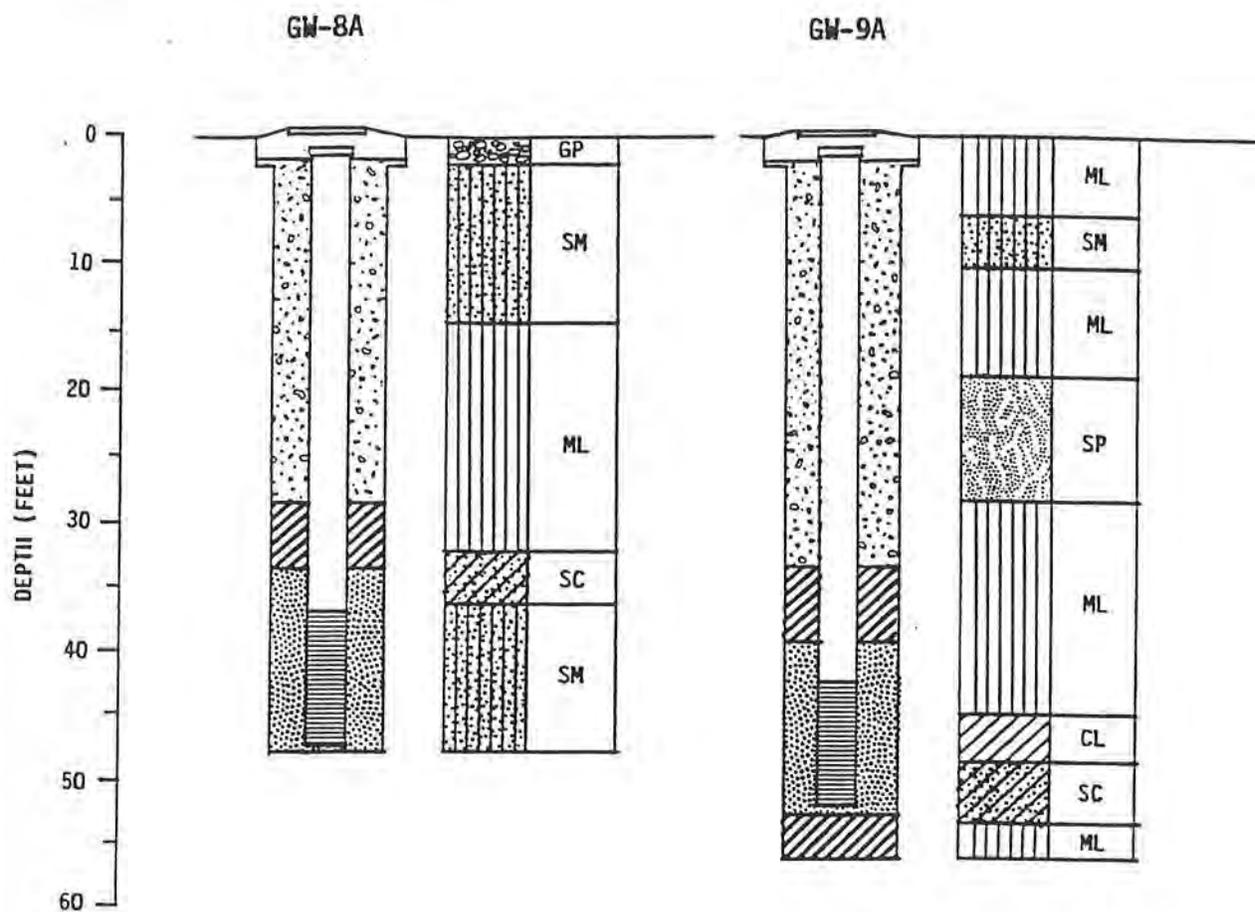
WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-7A, GW-7B, GW-7C AND GW-7D

JOB NO.

DATE

DRAWN BY:

CHECKED BY:



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, SILTY (SM)
- SAND, CLAYEY (SC)
- SILT (ML)
- CLAY (CL)
- GRAVEL, POORLY GRADED (GP)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK
- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PVC BLANK
- 10 SLOT SCREEN

FIGURE 3-5

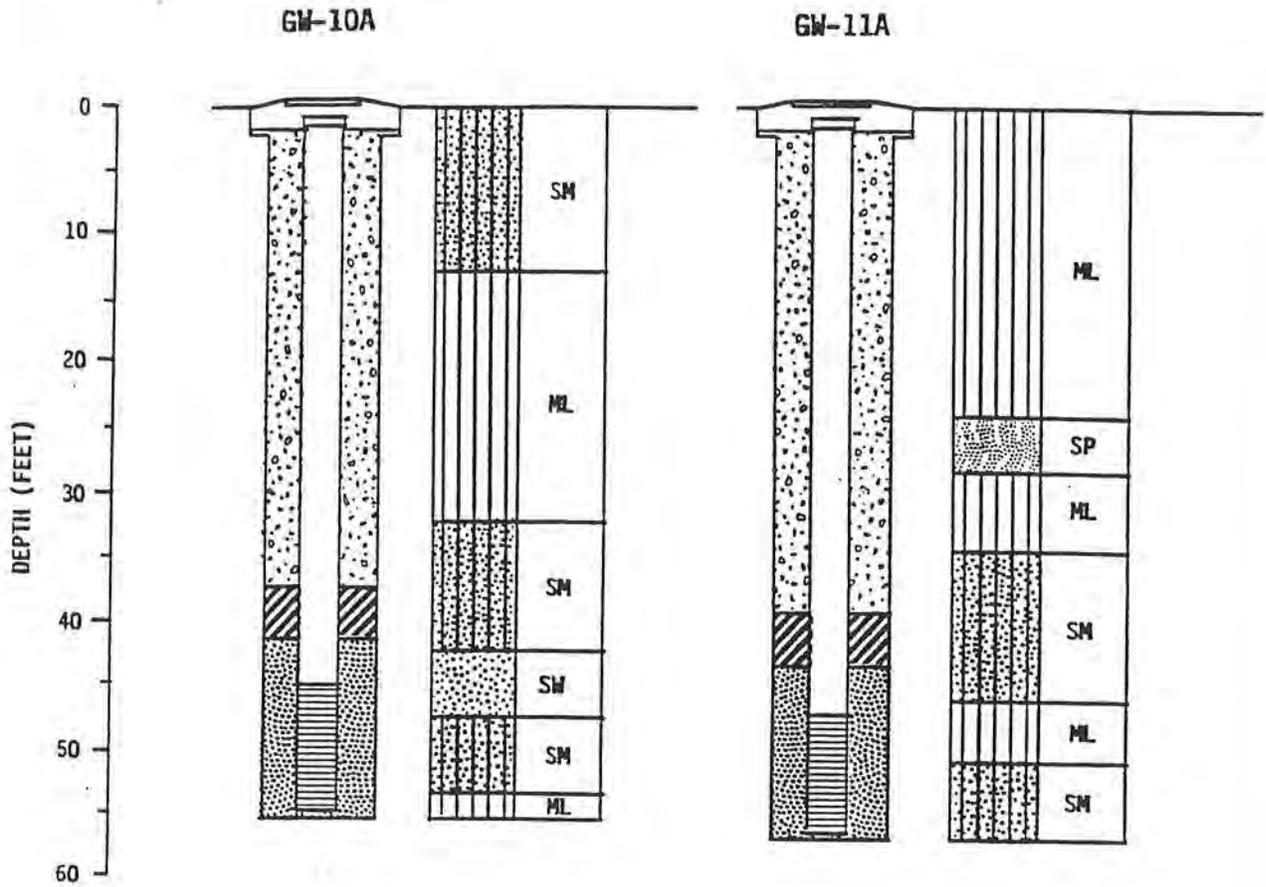


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WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-8A AND GW-9A

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| JOB NO. |
| DATE |
| DRAWN BY: |
| CHECKED BY: |



KEY FOR LITHOLOGY

- SAND, POORLY GRADED (SP)
- SAND, WELL GRADED (SW)
- SAND, SILTY (SM)
- SILT (ML)

KEY FOR WELL DESIGN

- GROUT
- BENTONITE SEAL
- FILTER PACK
- LOCKING PROTECTIVE CAP AND CHRISTY BOX
- PYC BLANK
- 10 SLOT SCREEN

FIGURE 3-6

BAS
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WELL DESIGN AND LITHOLOGY FOR
 WELLS GW-10A AND GW-11A

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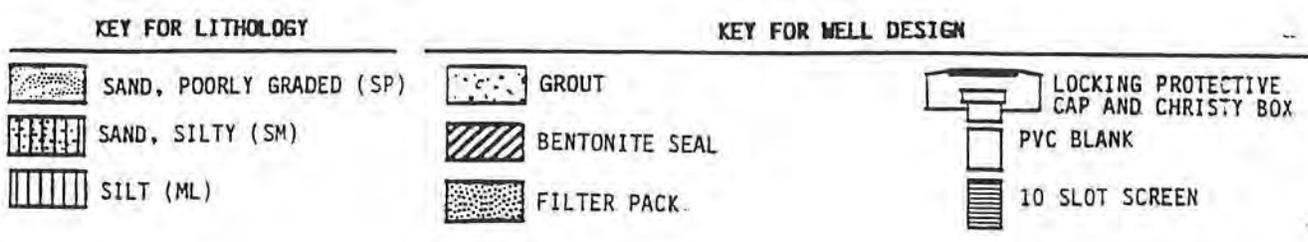
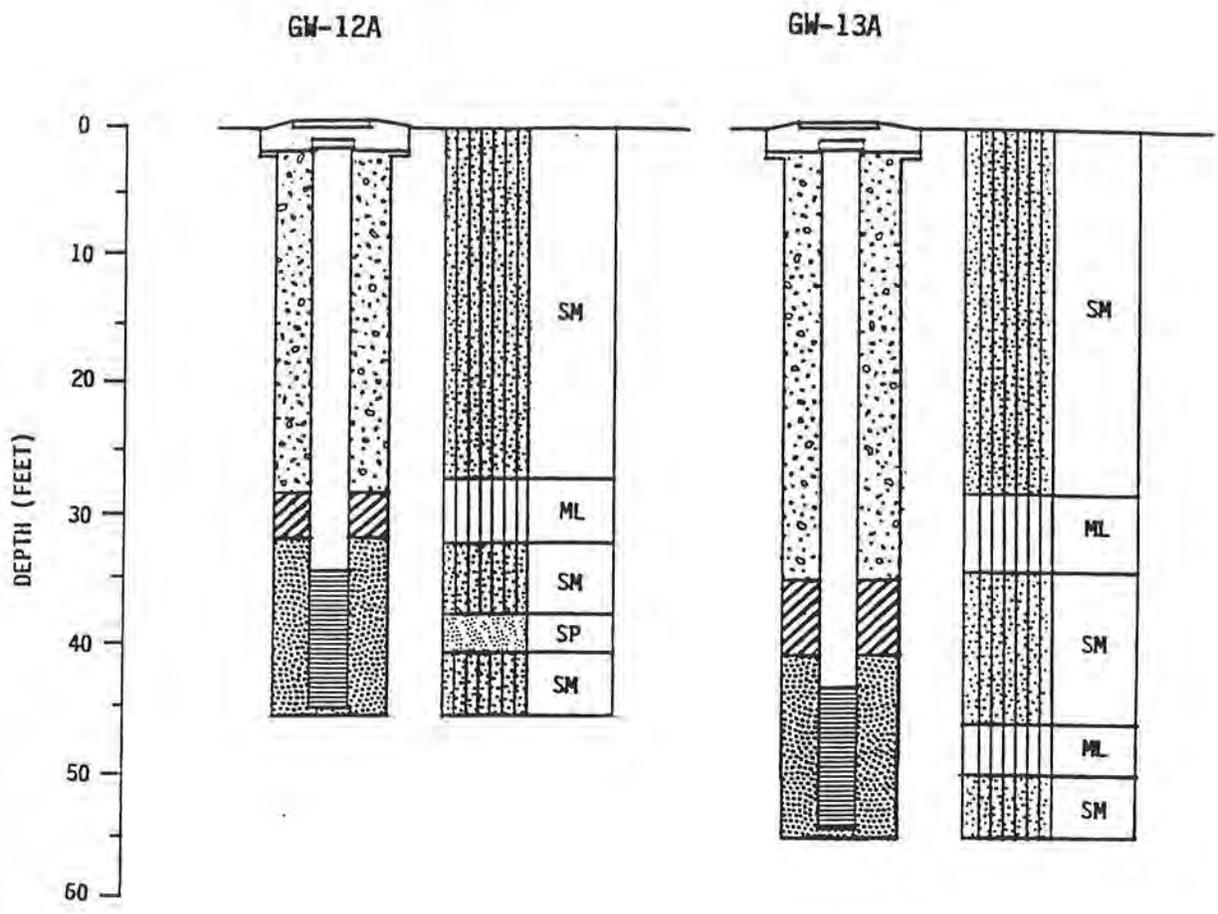


FIGURE 3-7

| | | |
|---|---|-------------|
| <p>BRYAN A. STIRRAT & ASSOCIATES CIVIL AND ENVIRONMENTAL ENGINEERS 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765</p> | [714] 860-7777 | JOB NO. |
| | <p>WELL DESIGN AND LITHOLOGY FOR WELLS GW-12A AND GW-13A</p> | DATE |
| | | DRAWN BY: |
| | | CHECKED BY: |

Eight shallow borings (VW-1, -2, -3, -4 and SB-1, -2, -3, -4) were drilled within the waste fill area. These borings were drilled using an air rotary drilling rig with a casing hammer that drove 6.5-inch OD, 6-inch ID mild steel casing as drilling progressed. The casing joints were connected with a specially designed compression coupling. The borings that were used for vapor wells (VW-1, -2, -3, -4) were drilled through trash into the underlying native soil about 5 feet. The four borings (SB-1, -2, -3, -4) drilled for waste characterization only were drilled through trash into the native soil approximately 2 feet. The waste characterization borings were abandoned by backfilling with bentonite and leaving the casing in place. The bottom 5 feet of the vapor wells were backfilled with bentonite and the casing was perforated to complete the well.

Drill pipe, casing, bits, and augers were steam cleaned prior to the drilling of each boring during this investigation. Cuttings from all borings were stored in bins or covered drums until analytical results could dictate proper disposition.

3.4 SOIL SAMPLING

Continuous undisturbed samples were collected from boreholes CH-4, -6, and -7 using a decontaminated 2-inch ID by 5-foot split spoon sampler. The sampler was locked into the drill string and extended approximately 3 inches below the hollow drill bit. Undisturbed material intruded the sampler as drilling progressed. The sampler was then retrieved by wire line and the cores were placed in labeled core boxes. The ideal sample core was 5 feet long, but 2-foot intervals were often taken if full sample recovery was not obtained. The same method was used to collect continuous samples for Wells GW-6D and -7D, from approximately 10 feet above the total depth of the adjacent boreholes, CH-6 and CH-7, to the total depths of the GW-6D and GW-7D borings. These borings were only sampled in this lower interval due to the existing knowledge of the Bellflower lithology at each well cluster. The boring for GW-4D was sampled with a split-spoon drive sampler at 5-foot intervals to total depth. Field boring logs for borings continuously cored for soil characterization only are included in Appendix A1. Field logs for borings drilled for the purpose of groundwater well installation are included in Appendix A2.

When drilling the boreholes for the middle and lower zone monitoring wells (GW-4B, -4C, -7B, -7C, and -6C), cuttings discharged from a cyclone separator were monitored continuously. Drill cutting samples were taken at 5-foot intervals and stored in labeled zip-lock bags for documentation and description.

Borings for the upper zone groundwater monitoring wells (GW-4A, -7A, -8A, -9A, -10A, -11A, -12A and 13A) were sampled for lithological characterization at 5-foot intervals with a standard 2-inch ID by 18-inch split-spoon sampler. A 140 pound in-hole hammer with a 30-inch drop was used to drive the sampler into undisturbed material ahead of the drill string. Sampling devices were washed with a mixture of Alconox and water, and rinsed with potable water before obtaining each sample.

Cuttings from borings drilled through the trash (VW-1, -2, -3, -4 and SB-1, -2, -3, -4) were monitored continuously as they were being ejected from a cyclone separator. Samples from the cyclone were taken every 5 feet and stored in zip-lock bags for documentation purposes. An undisturbed drive sample was taken approximately 2 to 3 feet beneath the fill in the SB-borings and approximately 5 feet beneath the fill in the vapor well borings, with the exception of VW-2. The decision to sample the base of the vapor wells was made after the completion of VW-2. The preferred method of sampling was to drive a 3-inch OD by 3-foot long, thin walled metal tube (Shelby tube) into the soil. This method was attempted at SB-2, but the Shelby tube was lost down the boring due to the compacted nature of the strata. A sample was obtained from this boring using a standard 2-inch OD by 18-inch split spoon sampler. The unretrieved Shelby tube made it extremely difficult to sample. In order to ensure that a sample would be collected from each boring, the remaining samples beneath the landfill refuse were taken with a standard split spoon sampler. Field logs for the borings drilled during this investigation for the purpose of groundwater monitoring well installation, vapor well installation, and waste characterization are included in Appendix A2.

3.5

WELL CONSTRUCTION

The groundwater monitoring well clusters were constructed to characterize the groundwater chemistry and hydraulic properties of the upper, middle, and lower zones within the Bellflower, and the upper portion of the Gage Aquifer. Discreet targeted screen zones were picked by analyzing the lithology of the previously drilled continuously cored borings. During drilling of each boring, drill cuttings samples were described and lithology was confirmed before positioning screens. During drilling operations for each well, drilling was stopped and well construction commenced when the target lithologic unit was encountered. The lower zone wells (GW-4C, -6C, and -7C) were screened in the most permeable units that were present just above the base of the Bellflower. The middle zone wells (GW-4B and -7B) were screened in the most permeable units found between the A and C wells and were separated from the A wells by lower permeability units. The upper zone wells (GW-4A, -7A, -8A, -9A, -10A, -11A, -12A, and -13A) were screened to monitor the groundwater at the water table regardless of the lithology. The Gage wells (GW-4D, GW-6D, and GW-7D) were screened below the base of the Bellflower in the upper portion of the Gage Aquifer. The screen and filter pack intervals of the wells at each cluster did not overlap. Well design and lithology diagrams for the monitoring well clusters are shown in Figures 3-2 through 3-7. Detailed field well construction diagrams for each monitoring well are given in Appendix A3.

Four-inch ID schedule 40 blank PVC well casing and 316 stainless steel, 10 slot (0.010 inch) continuous wire wrap well screens were used to construct Wells GW-4A, -4B, -4C, -4D, -6A, -6C, -6D, -7A, -7B, -7C, and -7D. Wells GW-8A, -9A, -10A, -11A, -12A, and -13A used the same type of material but have a 2-inch ID. The screen slot was chosen to ensure that no less than 90 percent of the filter pack material would be retained.

Wells GW-4A, -7A, -8A, -9A, -10A, -11A, -12A, and -13A were constructed so the well screen extended 5 feet above and 5 feet below the first water encountered while drilling. Wells GW-4B, -4C, -6C, -7B, and -7C were constructed with 5-foot long well screens. Ten-foot long well screens were used for wells GW-4D, -6D, and -7D. All joints were flush threaded and no solvents or cements were used. All pipe and screen were steam cleaned prior to installation.

Wells GW-4A, -7A, -8A, -9A, -10A, -11A, -12A, and -13A were constructed inside the hollow-stem augers. GW-4B, -4C, -6C, -7B, and -7C were constructed inside the dual tube drill pipe. The well casing was suspended approximately 4 inches off the bottom of the borehole during construction.

Sieve analyses were conducted on CH-4, -6, and -7 samples from each targeted screen zone. The results of these sieve analyses are included in Appendix A6. Filter packs consisting of properly graded silica sand were placed in the annular space at the well screens and a minimum of 2 feet above the screens. A bentonite seal, at least 3 feet thick, was placed above the filter pack in each well and the remaining annular space was filled with grout. Frequent measurements with a well sounding tape were made during the placement of materials to ensure that proper amounts of material were used and that seals were properly located to avoid cross-contamination.

The grout used to finish the wells consisted of Volclay grout, Bentonite chips, or neat Portland cement modified with bentonite to reduce shrinkage. The ratio of cement to bentonite was approximately 20:1 on a weight basis. A maximum of ten gallons of water was used for each 94-pound sack of Portland cement. The bentonite was added before the Portland cement was mixed, and care was taken to ensure that the mixture was free of lumps. The grout was emplaced using a 2-inch tremmie pipe.

Because the wells were completed in traffic areas, the well heads were established below grade. The well installation was enclosed by a Cristy box completed slightly above grade to prevent localized ponding at each well head. Detailed well construction diagrams for each monitoring well are given in Appendix A3. A summary of all monitoring well construction details is given in Table 3-1.

Vapor wells VW-1, -2, -3, and -4 were constructed by filling the bottom 5 feet of the cased borehole with bentonite chips which were hydrated with deionized water. The mild steel well casing was then perforated at an interval approximately 10 feet below ground surface to approximately 5 feet above the bottom of the trash. A 1-foot wide by 18-inch deep trench was dug around the top of the well casing and backfilled with bentonite chips. Well construction summaries for all vapor wells are included in Appendix A3. A summary of all vapor well construction details is given in Table 3-1.

All vapor well heads were fabricated of stainless steel. Each well head is equipped with stainless steel fixtures for vapor sampling. Each well head also has a capped 2-inch opening for liquid level measurements and liquid sampling, if necessary. The well heads, which have 6.5-inch outside diameters (vapor well casing diameter is also 6.5 inches) are butted end to end with the well casings and secured with 6.5-inch inside diameter Dresser couplings.

3.6 WELL DEVELOPMENT

Groundwater monitoring wells constructed for the Remedial Investigation were developed utilizing a mobile development rig (Monitor M-34) equipped with a 20,000 pound hoist designed for well development utilizing surge tools, bailers, and submersible pumps for 4-inch wells.

Development was accomplished by bailing the wells with a 3-inch diameter by 16-foot long steel bailer to remove silt and fine sand from the interior of the screen. After most of the silt and fine sand were removed by bailing, the wells were surged using a steel surge block for approximately 30-minutes to agitate the water column within the screened interval and to displace fine material in the

screen and sand pack. Afterwards, the wells were once again bailed to remove any silts or fine sands from the interior of the screen. This process was alternately performed to ensure removal of all silts and fine sands from the wells.

During the bailing process, field measurements were conducted for pH, electrical conductivity (EC), temperature, and turbidity. The wells were bailed until the discharge registered stable readings of EC, pH, and temperature. A stable reading is an indication that the water entering the well is representative of the surrounding aquifer. The wells in which repeated bailing did not result in stable parameter readings were developed by utilizing an electrical submersible pump. The pump created a one-way suction flow from the aquifer through the screen. This method resulted in stable readings by removing residual silts from the sand pack. At a minimum, at least 5-well volumes of water were evacuated from the wells. The well development procedures were logged in the field for future reference.

3.7 GROUNDWATER SAMPLING

Dedicated Teflon bladder sampling pumps were installed in monitoring wells GW4a, GW-4b, GW-4c, GW-5a, GW-6a, GW-6c, GW-7a, GW-7b, and GW-7c. Dedicated tandem Teflon bladder purge pumps and sampling pumps were installed in GW-4d, GW-6d, and GW-7d. All remaining wells and piezometers were sampled using disposable Teflon bailers.

During each sampling event the following procedures were conducted at each well/piezometer. Upon approval at the well location, the beginning water level and total well depth were measured. Based on this information and the known well diameter, a purge volume, equal to three (3) well volumes, was calculated by the following equation:

$$PV = 3 \times [(TD - WL) / 4D^2] \times 7.48 \text{ gal / ft.}^3$$

where;

PV = Purge Volume (gallons)

TD = Depth to standing water level (ft.)

WL = Depth to standing water level (ft.)

D = Well diameter (ft.)

The well was then purged to remove any stagnant water in the well casing so that water more representative of the surrounding formation could enter the well to be sampled. Temperature, electrical conductivity and pH of the purged water were measured and recorded during purging. Wells were sampled when these parameters had stabilized or after the calculated purge volume had been removed from the wells. Wells with extremely slow recovery rates were purged dry once and then sampled after they had recovered sufficiently for sampling. In no instance were wells purged dry such that the water entering the well screen was allowed to cascade down the sides of the well.

Sample collection and QA/QC procedures were in accordance with the RI/FS Work Plan.

3.8 WATER-LEVEL MEASUREMENTS

Water-level elevations were determined for each well installed during this investigation, previously installed wells, (GW-5A and -6A), and offsite wells drilled for Golden Eagle Refinery and Cal Compact. At each well, a Solinst water-level meter was used to measure the depth to water from a mark on the top of the PVC well casing. The depth to water was then subtracted from the surveyed elevation of the top of the well casing to attain the water-level elevation. The tip of the water-level meter was decontaminated with deionized water before each measurement. Periodic water-level elevation surveys commenced on March 7, 1990, with the last measurements recorded on September 30, 1992, during this field investigation. Water levels used in

determining the groundwater gradient for the upper Bellflower and those for the Gage Aquifer were measured on September 30, 1992. All water-level elevation surveys taken during this field investigation are given in Appendix A4.

3.9 SLUG TEST PROCEDURES

For the purpose of obtaining representative values of hydraulic conductivity in the Bellflower beneath the Gardena Valley 1 & 2 Landfill and vicinity, slug tests were performed in 11 monitoring wells constructed for this and previous investigations, including Wells GW-4A, -4B, -4C, -4D, -6A, -6C, -6D, -7A, -7B, -7C, and -7D (Figure 3-1).

The slug tests were performed using a 2.9-inch OD by 10-foot long cylindrical sand-filled slug capable of displacing approximately 5 feet of water in a 4-inch ID well. The slug was decontaminated before and after each use. This was accomplished by washing with Alconox and potable water, then rinsing with potable water, and final rinsing with distilled water. The slug was lowered into the well using an aluminum tripod, a pulley, and plastic rope. The rope was discarded after use at each well. Water levels were monitored using a pressure transducer rated at 10 pounds per square inch (psi), and a HERMIT 1000B or SE2000 data logger manufactured by Insitu Inc. During the tests, data collection was accomplished using the logarithmic time scale option provided by the data logger.

At each well the slug tests were set up by lowering the transducer into the well and submerging the probe to a depth range of 10 to 14 feet below static water level. Data logger settings were then initialized for a falling head test. This test was performed by starting the data logger recorder and quickly submerging the slug in the well. This procedure was performed in order to simulate an instantaneous rise in the water level. The slug was submerged so that its top was below the original static water level in the well. The well was then allowed to recover to the static water level after which recording with the data logger was terminated. The data logger settings were then set up for a rising head test. The rising head test was initiated by starting the data logger recorder and quickly removing the slug to simulate an instantaneous drawdown in the well. Drawdown as a function of time data were recorded during the rising head test

until the well had recovered approximately 90 percent of the total drawdown. After the completion of each test, the data were retrieved using a field printer. Raw data for water-level versus time measurements for all slug tests performed during this investigation are included in Appendix A6.

Both rising and falling head tests were conducted at wells where the bentonite seal was placed below the water table. Because the introduction of a slug to a well sealed above the water table results in the preferential movement of water from the screened interval up through the filter pack and into previously unsaturated formation material, only rising head tests were performed at these wells (GW-4A, -6A, and -7A).

3.10 WELL ABANDONMENT

3.10.1 BACKGROUND

Groundwater monitoring wells GW-1, -2 and -3 were completed under the supervision of BCL Associates in April 1985. These wells were drilled through trash and completed in the Gage Aquifer. A bucket auger was used to drill a 24-inch diameter borehole through the trash approximately 5 feet into the native soil. An 18-inch steel conductor casing was then lowered to the bottom of the borehole and grouted in place to seal off the trash zone. The borings were then completed by drilling inside the conductor casing. GW-1 was drilled to a total depth of 150 feet, and GW-2 and -3 each were drilled to 120 feet BGS. Four-inch black-iron well casing and screen were used and the bottom of the screen was set at 116 feet BGS in all three wells. It is not known if the lower portion of the GW-1 borehole was sealed off prior to well construction. The annulus above the filter pack and bentonite seal of each well was sealed to ground surface with grout. A diagram showing the construction of these wells is shown in

Appendix B1 as an attachment to the October 30, 1990, Well Abandonment letter from RLSA. BCL's report of this investigation (BCL, 1985) indicates that a cement grout was used to seal the surface casing and annulus of these wells. However, no indication is given that bentonite was mixed with the cement to reduce shrinkage. Therefore, the integrity of these seals was considered questionable.

During a water level survey of GW-1, -2, and -3, the measured total depths of these wells were 107 feet, 109.6 feet, and 112.5 feet BGS, respectively. These differences between the original and current total depth indicated infiltration of filter pack and/or formation material into the wells. Rust, presumably from the degradation of the black iron casing, was found in the water of these wells during the water level survey. Casing deterioration may have also contributed to the lessening depth of the wells.

Because the integrity of the grout seals was in question, the DTSC was concerned about the possibility of a vertical conduit between the trash and the Gage Aquifer. Therefore, the DTSC requested that these wells be abandoned by pressure grouting with a cement-bentonite mixture.

No further tests were obtained from these wells prior to abandonment. Sampling of these wells for groundwater chemistry analyses would have been questionable because the integrity of the grout seals of these wells was suspect. Because the potential existed for shallow contaminated water to be transported along the outside of the well casing to the screened interval within the Gage Aquifer during purging, chemical analyses of samples from these wells would not have been representative of the screened interval. Also, because the black iron well casing and screen had apparently deteriorated, results of any metals analyses would have been highly suspect. Slug test interpretation although not dependent on well seal integrity were not performed since redevelopment of these wells would have been necessary and could have caused further deterioration of the wells.

3.10.2 WELL ABANDONMENT PLANS

On October 3, 1990, a meeting was held between representatives of BAS and the DTSC. At this meeting, DTSC proposed modifications to BAS's draft abandonment plan of September 26, 1990, for Wells GW-1, GW-2, and GW-3 at the Gardena Valley 1 & 2 Landfill (Appendix B1). During this meeting, abandonment procedures were agreed upon and a letter was submitted to the DTSC for final approval.

During initial mobilization efforts, it was discovered that the actual well construction details for Wells GW-1, GW-2, and GW-3, as observed in the field, were different from those on the original well completion diagrams. Thus, modifications were made to the original abandonment work plan for the removal of well construction materials above 53 feet BGS and a letter from RLSA dated October 30, 1990, was submitted to DTSC for final approval (Appendix B1). Approval was granted by DTSC (Appendix B1) on November 7, 1990.

3.10.3 WELL ABANDONMENT PROCEDURES

On October 31, 1990, implementation of DTSC approved abandonment procedures for Wells GW-1, GW-2 and GW-3 began. The abandonment procedures as reported below were completed on November 14, 1990. These procedures comply with Section 23 of the State of California Water Well Standards for well abandonment (Department of Water Resources, State of California Bulletin 74-81, December 1981). The specific abandonment details for each well, GW-1, GW-2, and GW-3, are listed in Table 3-2. The sequence of procedures for abandonment of each well is illustrated in Figure 3-8 and included the following:

- o Sediment Removal. Prior to grouting, the casing was cleared of sand and silt that had accumulated in the well. A sand bailer was repeatedly lowered into the well until as much sand and silt as possible were removed.

**TABLE 3-2
WELL ABANDONMENT SUMMARY
FOR WELLS GW-1, GW-2, AND GW-3**

| WELL NUMBER | PERFORATED INTERVAL (FEET BGS) | GROUTED INTERVAL (FEET BGS) | TOTAL GROUT USED (GALLONS) | CAPACITY (GALLONS) | | PERCENT ANNUAL SPACE FILLED WITH GROUT |
|-------------|--------------------------------|-----------------------------|----------------------------|--------------------|--|--|
| | | | | 4-INCH CASING | ANNUAL SPACE (BETWEEN CASING AND 8.5-INCH BOREHOLE WALL) | |
| GW-1 | -- | 4 - 30 | 17 | 11.1 | 39.0 | -- |
| | 32 - 50 | 30 - 53 | 25 | 15 | 52.8 | 19% |
| | 53 - 80 | 53 - 80 | 55 | 17.6 | 61.9 | 60% |
| | 85 - 115 | 80 - 116 | 40 | 23.5 | 82.6 | 20% |
| GW-2 | -- | 3.2 - 32.4 | 19 | 19 | 67.0 | -- |
| | 35 - 50 | 32.4 - 52 | 20 | 12.8 | 45.0 | 16% |
| | 53 - 80 | 52 - 80 | 90 | 18.3 | 64.3 | 112% |
| | -- | 80 - 116 | 42 | 23.5 | 82.6 | 22% |
| GW-3 | -- | 3 - 34 | 20.2 | 20.2 | 71.1 | -- |
| | 35 - 51 | 34 - 52 | 45 | 11.8 | 41.3 | 80% |
| | 53 - 80 | 52 - 80 | 82 | 18.3 | 64.3 | 99% |
| | -- | 80 - 115.1 | 31 | 22.9 | 80.5 | 10% |

BRYAN A. STIBBART & ASSOCIATES

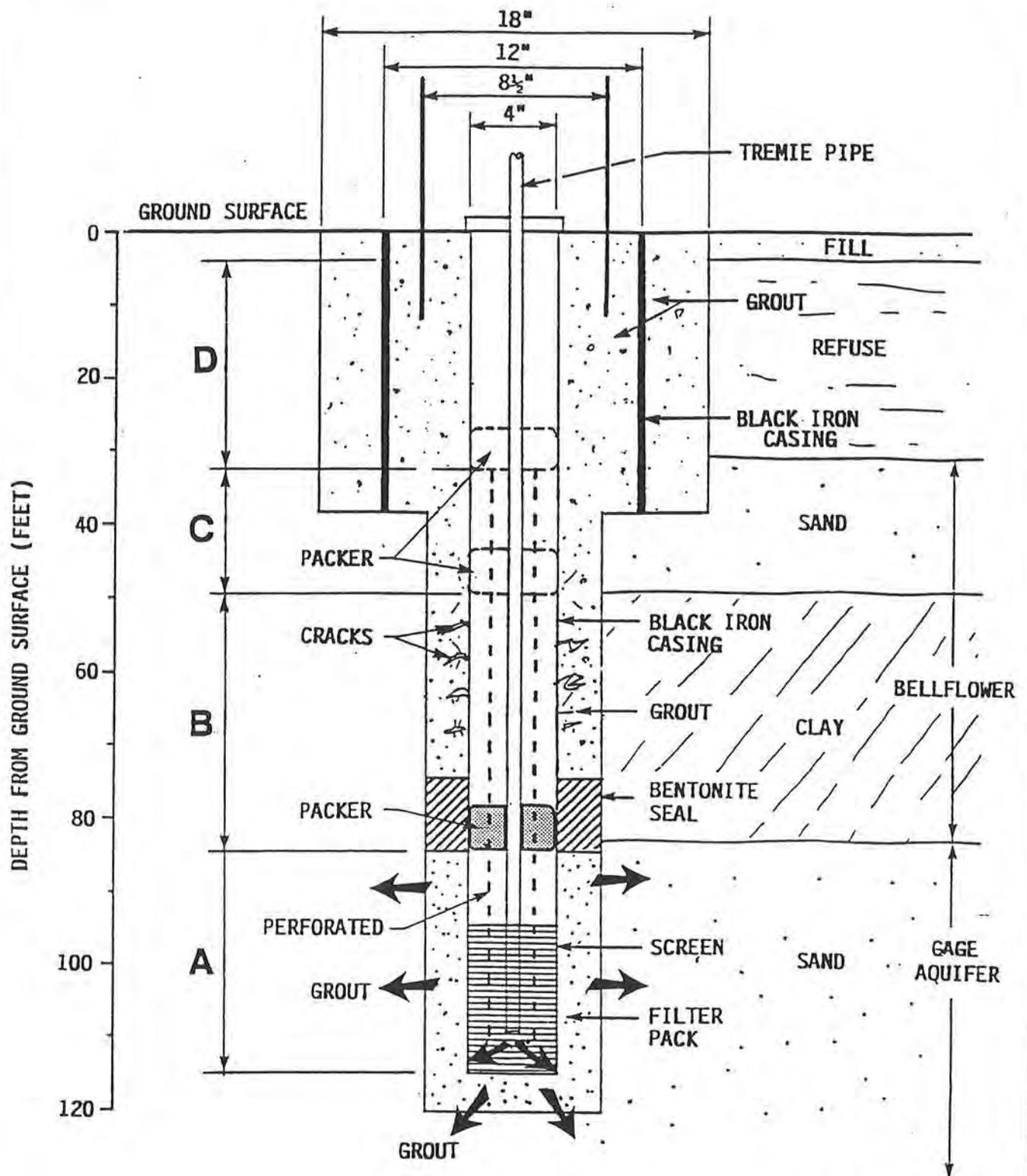


FIGURE 3-8



[714] 860-7777

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 CIVIL AND ENVIRONMENTAL ENGINEERS
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**ABANDONMENT PROCEDURES FOR
 WELLS GW-1, GW-2, AND GW-3
 GARDENA VALLEY 1 & 2 LANDFILL**

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- o Perforation and Grouting (Phase I). The black iron casing and screen in Well GW-1 only was perforated using a mechanical perforating tool from the total depth of the well (approximately 116 feet BGS) (Interval A, Figure 2-8), to a depth of approximately 85 feet BGS. A mechanical down hole perforating tool was used to make two vertical rows of 0.25-inch wide perforations approximately 1-inch long and 3-inches on center. The casing cleaning and additional perforating was performed in order to ensure that grout freely entered the surrounding formation in the Gage Aquifer just below the Bellflower. Perforation of Interval A (Figure 3-8) was performed only at Well GW-1 due to the excessive amount of sand which entered the well after this screened interval was perforated. Thus, Wells GW-2 and GW-3 were not perforated at Interval A. This modification to the abandonment procedures was agreed upon verbally by DTSC.

All three wells were grouted from 85 feet BGS to total depth using neat cement with approximately 5 percent bentonite using a tremmie pipe. The tremmie pipe was lowered to a depth just above the bottom of the well. In Well GW-1, as the tremmie pipe was lowered, the excess sand was forced up the well which allowed grout to be placed from the bottom of the well upward. The grouting material was pumped into the well until at least the volume of the casing below 85 feet BGS and the surrounding filter pack was filled. An expandable packer was then used to seal the well above the grouted Interval A while air pressure was supplied for approximately three hours to force grout into any void spaces. The grout column over this interval was allowed to set up for a period of approximately 24 hours. If necessary, this process was repeated until the entire casing of Interval A was sealed with grout.

- o Perforation and Grouting (Phase II). After the initial grout column had set, any excess grout in the inner well casing above Interval A was drilled out with an air rotary bit. The interval from approximately 85 to 53 feet BGS (Interval B, Figure 3-8) was then perforated in a manner similar to that used in the lower section of the well. This interval was then pumped with grout using a tremmie pipe as above until at least the volume of the casing of Interval B was filled. An expandable packer was then used to

seal the well above the grouted Interval B while air pressure was supplied for approximately three hours to force grout into any void spaces or cracks in the surrounding annular grouted area. This grout column was allowed to set up for an additional 24 hours. If necessary, this process was repeated until the entire casing volume of Interval B was sealed with grout.

- o Perforation and Grouting (Phase III). After the second phase of perforating and grouting, the inner casing above Interval B was drilled using an air rotary bit to remove any excess grout. Next, the interval between approximately 53 feet and 35 feet BGS (Interval C, Figure 3-8) was perforated and grouted utilizing a packer to provide pressure as described above. This procedure served to seal the sandy zone just below the trash if the grout seal was faulty. It also served to seal the area just below the trash where the depth of the bottom of the 12-inch surface casing was uncertain.
- o Grouting (Phase IV). After letting the grout in Interval C set for approximately 24 hours, the interval from 35 feet BGS to 5 feet BGS (Interval D, Figure 3-8) was grouted.
- o Well Construction Material Removal. The area around each well was excavated with a backhoe down to 5 or 6 feet BGS. The grout and the two well casings (the 12-inch and 4-inch casings) were then cut at 4 or 5 feet BGS and removed in a safe manner. A mushroom cap of concrete was placed over and around the top of the cut well casing. The excavated area was then backfilled, compacted with the backhoe bucket, and wheel rolled with the backhoe once original grade was reached.

SECTION 4.0

PHYSICAL CHARACTERIZATION OF THE STUDY AREA

4.0 PHYSICAL CHARACTERIZATION OF THE STUDY AREA

4.1 GEOLOGY

The Gardena Valley 1 & 2 Landfill is located within the West Coast Basin of the Pacific Coastal Plain in Los Angeles County, California (Figure 4-1).

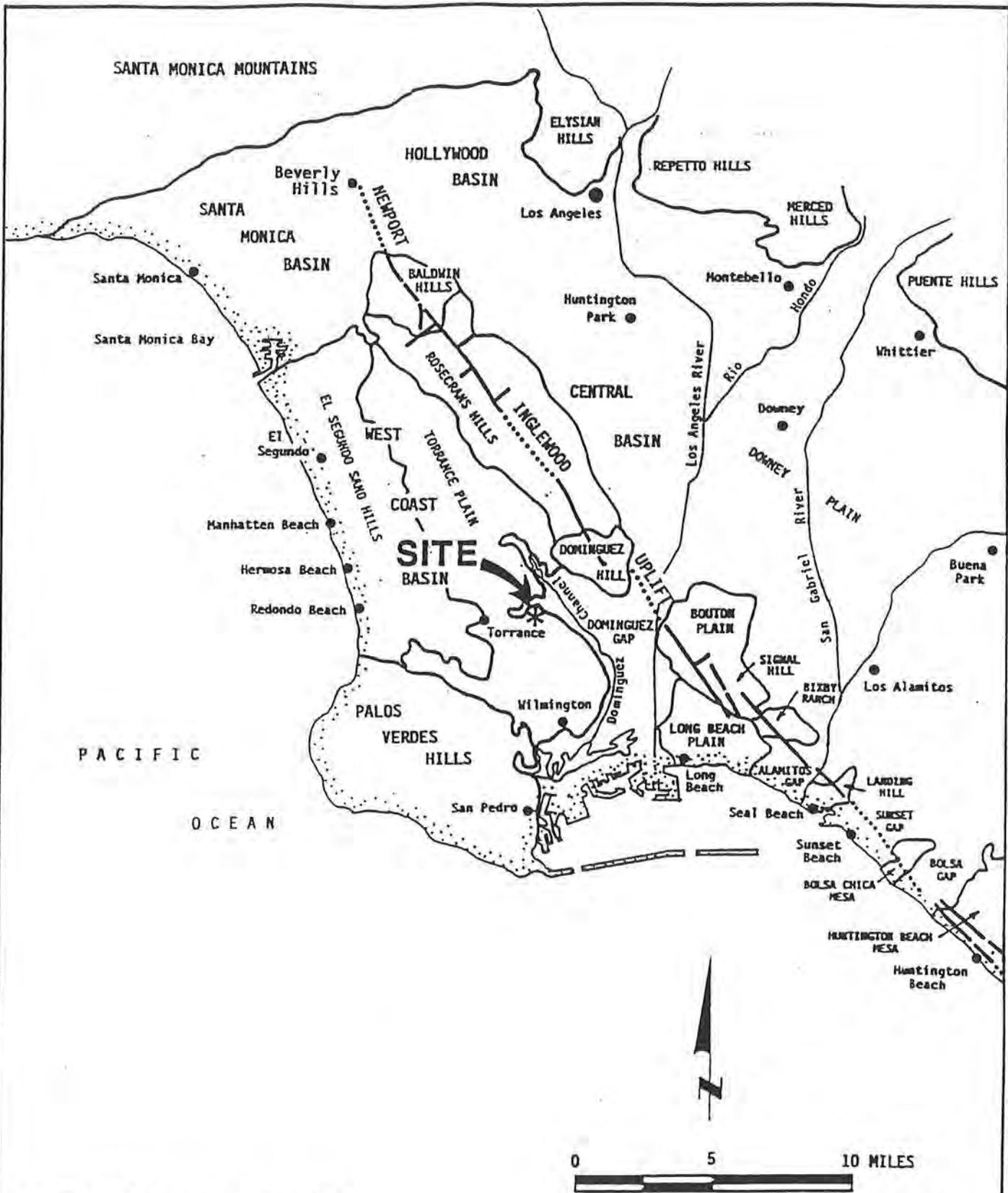
4.1.1 REGIONAL GEOLOGY

The Pacific Coastal Plain in Los Angeles County is underlain by a thick sequence of marine and continental sediments that were deposited in a broad synclinal depression generally referred to as the Los Angeles Basin. In the deepest part of the basin, beneath the Downey Plain, rocks of Tertiary and Quaternary age are more than 20,000 feet thick. Along the northern margin of the basin, at the Santa Monica Mountains and locally to the southwest at the Palos Verdes Hills, these rocks have been extensively deformed, elevated and eroded to expose a basement complex of igneous and metamorphic rocks.

The general synclinal structure of the Los Angeles Basin is transected by the Newport-Inglewood uplift, a composite-faulted anticlinal belt that extends from Beverly Hills to Newport Beach. In effect, this belt divides the coastal plain into two smaller synclinal troughs. To the northeast, a broad syncline underlies the Downey Plain and to the southwest, a relatively narrow syncline forms the structural trough known as the West Coast Basin. The Newport-Inglewood fault zone has been an area of seismic activity since the Miocene Epoch.

Stratigraphic evidence indicates recurrent movement along the zone during later Tertiary and Quaternary Periods. Recent earthquakes, including the Inglewood earthquake of 1921, the Long Beach earthquake of 1933, the Dominguez earthquake in 1941, and an earthquake that occurred in Newport Beach during April 1989 indicate that the zone is still active.

Tertiary and Quaternary units of the West Coast Basin dip gently coastward from the crest of the Newport-Inglewood uplift. Along the basin axis these sedimentary rocks overlie the basement complex upon which they were deposited, and their thickness ranges from a few thousand to approximately



MODIFIED FROM THOMAS, ET AL., 1961

FIGURE 4-1



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**PHYSIOGRAPHIC FEATURES AND
 GROUND-WATER BASINS, COASTAL PLAIN
 OF THE LOS ANGELES COUNTY, CALIFORNIA**

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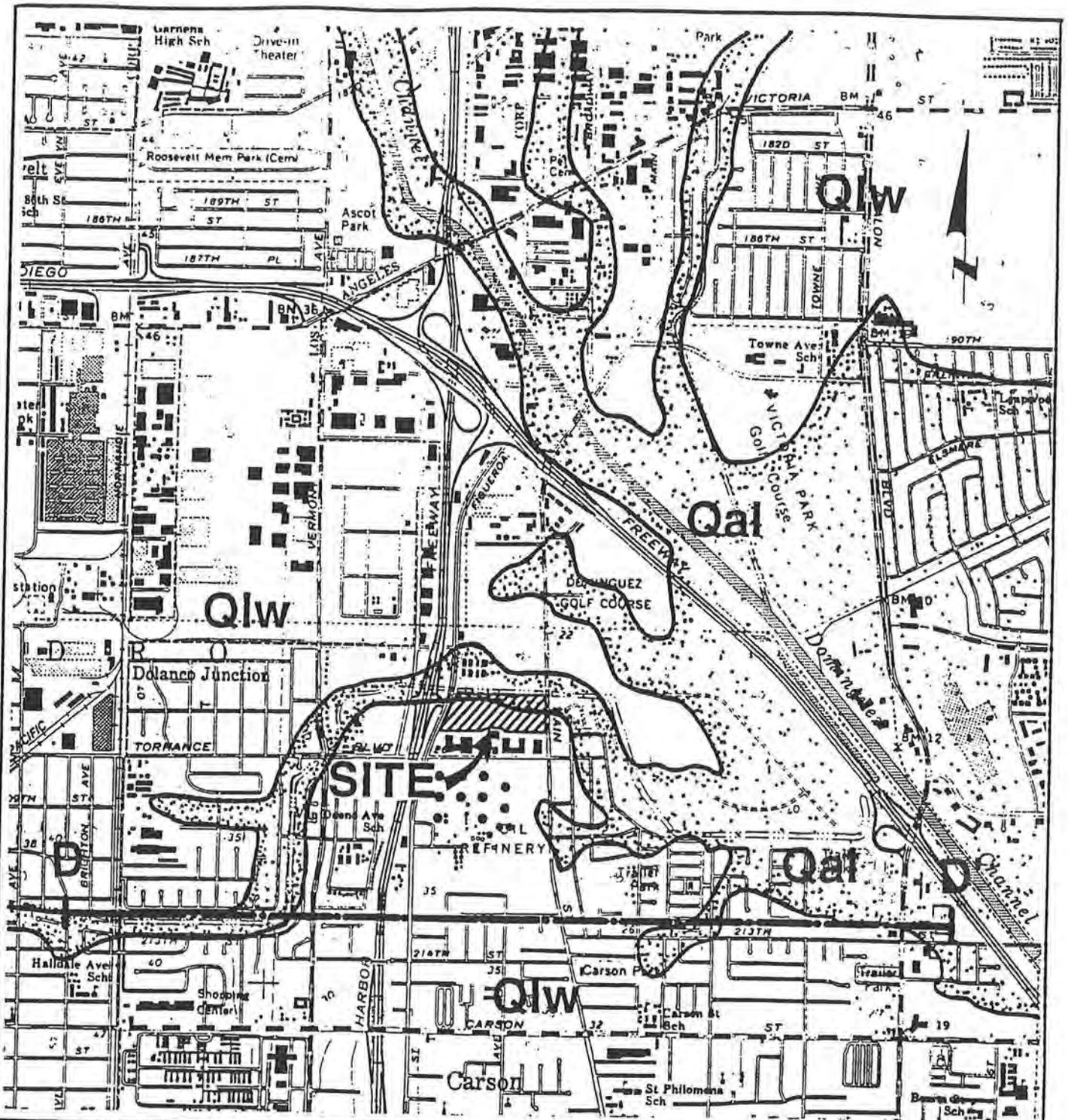
13,000 feet. To the southwest, these units are warped over the Torrance-Wilmington anticlinal structure and flexed sharply upward to form the Palos Verdes Hills.

Alluvial material and fine-grained layers of sand, silt, and clay comprise the Recent deposits which are typically present at surface outcrops throughout the basin. Extensive deposits of coarse gravel and sand, that are chiefly Pleistocene in age, occur beneath most of the basin and are predominantly of littoral or shallow marine origin. Tertiary rocks in the West Coast Basin are almost entirely of marine origin and are primarily of Pliocene and Miocene ages. They consist of sandstone, siltstone, mudstone, diatomite, and siliceous shale, and are exposed only at the bordering highlands in the Santa Monica Mountains and the Palos Verdes Hills. Data from oil wells drilled in the area between the highlands indicates that these sediments are present at depth throughout the basin (Thomas et al., 1961).

4.1.2 LOCAL GEOLOGY

The Gardena Valley 1 & 2 Landfill site is situated on the Torrance Plain within the West Coast Basin. The site is bordered on the north and east by a finger of the Dominguez Erosional Gap (Figure 4-1). A geologic map of the site and surrounding area is given in Figure 4-2.

A previous regional study (Thomas et al., 1961) indicates that the site rests on sediments of the Late Pleistocene Upper Lakewood Formation. However, inspection of aerial photography from as recently as 1941 reveals that much of the site may have been periodically flooded by water from the Dominguez Channel, especially along the northern and eastern margins, and that these areas of the site may be covered with fine-grained Recent flood plain deposits. The upper portion of the Lakewood Formation is comprised of mainly fine grained materials such as silts, silty sands, and clays with discontinuous sandy zones. These deposits represent typical meandering alluvial stream deposits with fine grained flood plain sediments comprising up to eighty percent of the total deposits (Thomas et al., 1961). Beneath this initial fine grained material within the Lakewood Formation, interbedded sandy gravels, silty or sandy clays and sands occur to the base of the formation. This portion of the formation is



EXPLANATION

- Qal** RECENT ALLUVIUM
- Qlw** LATE PLEISTOCENE LAKEWOOD FORMATION - ALLUVIUM
- D D'** LOCATION OF CROSS SECTION

Geology modified from Thomas, et al., 1961

0 2000 4000 FEET

Base map from U.S.G.S. 7.5 minute series, Torrance Quadrangle, Ca.

FIGURE 4-2



(714) 860-7777

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 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

**GEOLOGIC MAP OF
 GARDENA VALLEY 1 & 2 LANDFILL
 AND SURROUNDING AREA
 CARSON, CALIFORNIA**

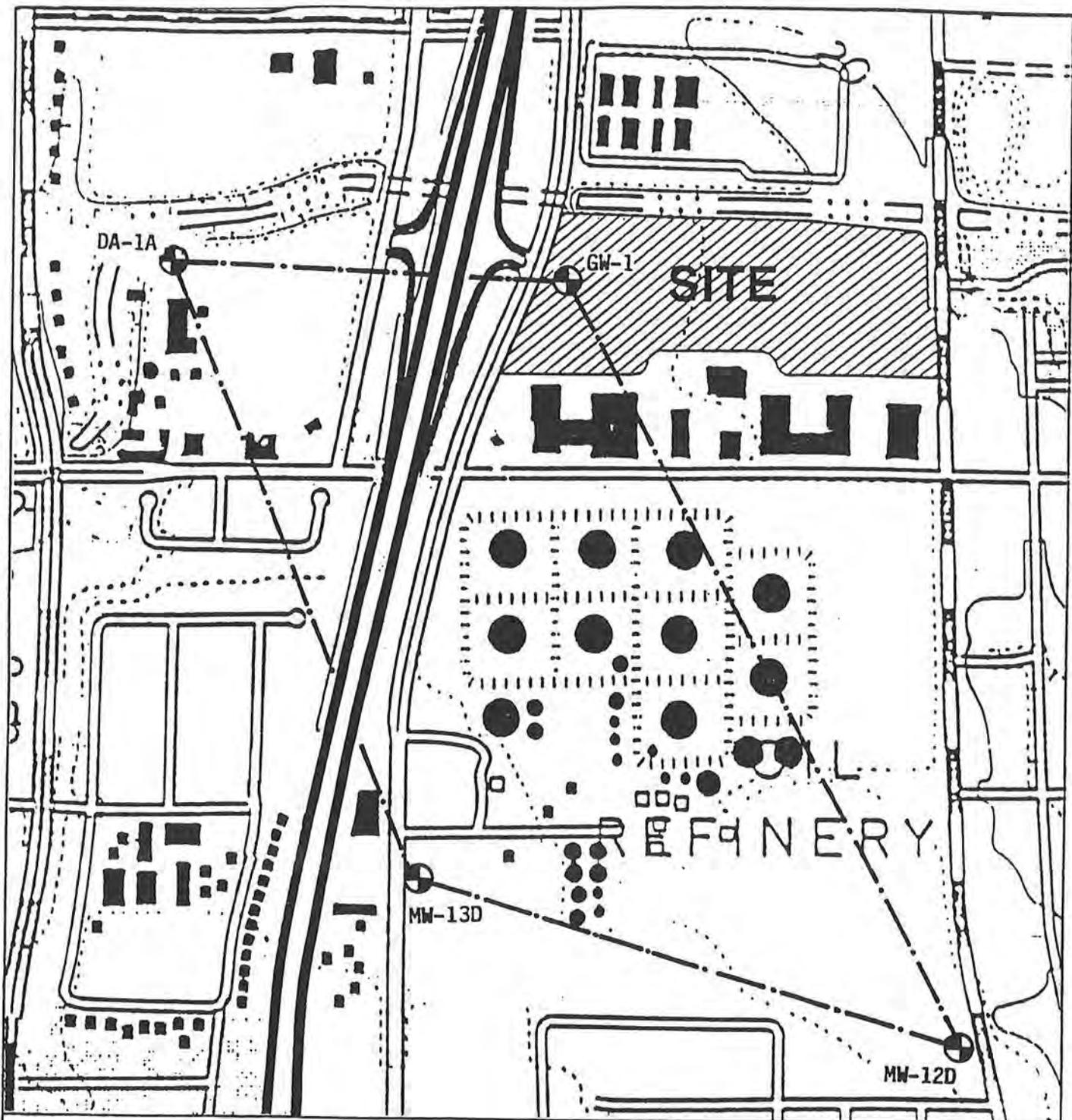
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thought to be of mixed continental and marine origin (Thomas et al., 1961). The Lakewood Formation was originally estimated to extend to a depth of approximately 180 feet BGS in the vicinity of the Gardena Valley 1 & 2 Landfill site, but a recent study at an adjacent site (Del Amo Hazardous Waste Site), concluded that the formation extends approximately 220 feet BGS (Ecology and Environment, 1989).

Borings drilled during the current Gardena Valley 1 & 2 Landfill investigation and previous site studies, indicate alternating layers of silt, clay, clayey sand, silty sand, and sand to approximately 93 feet BGS, correlating with the predicted lithology of the upper Lakewood Formation. Shell fragments were encountered intermittently in an interval from 40 feet to 65 feet BGS. The lithology from this interval indicates a marine depositional environment or stream channel deposits with a marine sediment source. Cross-sections shown on Figures 4-3 through 4-5 show the lithology encountered during the Gardena Valley 1 & 2 Landfill investigations. The locations of these cross sections are shown on Figure 3-1. A relatively clean, poorly graded fine sand was encountered at approximately 93 feet BGS. During a previous investigation (BCL Associates, 1985), a boring (GW-1) was drilled to a depth of approximately 150 feet BGS, and revealed the thickness of this sand layer to be approximately 50 feet. This sand unit correlates with the lower Lakewood formation and is known as the Gage Aquifer. Beneath the sand a predominately clay unit was encountered at a depth of approximately 135 feet BGS. The thickness of this clay was not determined but extended to the total depth of GW-1 (150 feet).

A 400-foot continuously cored boring (DA-1A) that was drilled approximately 1,300 feet west of GW-1 (Figures 4-6 and 4-7) during the Del Amo site investigation, did not encounter the clay layer that was found at 135 feet BGS in GW-1. The lithology of DA-1A from approximately 80 feet to 220 feet BGS is dominated by poorly graded relatively clean fine grained sand with some medium and coarse grained sand horizons. This would indicate that the clay layer found at 135 feet in GW-1 is laterally discontinuous to the west.

Two borings were drilled to a total depth of almost 200 feet BGS just south of the Gardena Valley 1 & 2 Landfill site at the Golden Eagle Refinery (Figure 4-7) (LeRoy Crandall and Associates, 1986). One of these borings,



Base map from U.S.G.S. 7.5' series (topographic),
Torrance Quadrangle, CA

EXPLANATION

---•---•---•---• LOCATION OF FENCE DIAGRAM

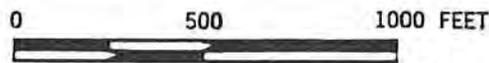


FIGURE 4-7



[714] 860-7777

BRYAN A. STIRRAT & ASSOCIATES
CIVIL AND ENVIRONMENTAL ENGINEERS
1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

LOCATION OF WELLS USED FOR THE
FENCE DIAGRAM IN THE VICINITY OF
THE GARDENA VALLEY 1 & 2 LANDFILL

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MW-13D, is located approximately 2,100 feet south of GW-1, and the other, MW-12D, is approximately 2,900 feet southeast of GW-1. The clayey zone found 135 feet BGS in GW-1 appears to be present in clay and silt layers found at similar elevations in MW-13D and MW-12D. Conversely, it appears that the approximately 140-foot thick relatively clean sand unit initially encountered approximately 80 feet BGS in DA-1A becomes interbedded with layers of silty sand, clayey sand, silt and clay to the southeast as is evident in GW-1, and MW-12D and -13D. The bottom of this 140-foot thick sand unit is interpreted as being the bottom of the Lakewood Formation (Ecology and Environment, 1989). Figure 4-6 is a fence diagram of DA-1A, GW-1, MW-12D, and MW-13D showing the interpreted lithology of the Lakewood Formation in the vicinity of the Gardena Valley 1 & 2 Landfill. The locations of the monitoring wells used in the construction of this fence diagram are shown on Figure 4-7.

Underlying the Lakewood Formation unconformably is the lower Pleistocene San Pedro Formation. According to Thomas et al. (1961) this unit consists of stratified unconsolidated sand with some interbeds of fine gravel, silty sand, and silt and is thought to be primarily of marine origin. The formation is estimated to extend to a depth of approximately 1,050 feet in the vicinity of the Gardena Valley 1 & 2 Landfill site.

Below the 140-foot thick sand that extends to a depth of 220 feet BGS in DA-1A, a 51-foot thick layer of predominately clayey silt and plastic clay was encountered. Below this silt and clay layer a 130-foot layer of relatively clean medium, coarse, and fine grained sand with some gravel horizons predominates to the total depth of the 398-foot borehole. The bottom 30 feet of the borehole showed layers of interbedded silt, clay, and silty sand. The lithology found in Borehole DA-1A below 220 feet BGS generally corresponds to the predicted lithology of the upper San Pedro Formation.

The San Pedro Formation unconformably rests on the Upper Pliocene Pico Formation. The upper member of the Pico Formation is generally composed of sand, silt, and clay of marine origin interbedded with marine gravels (Thomas et al., 1961). This member is separated from the middle and lower members of the formation by an unconformity. The middle and lower members consist of siltstone and fine to coarse sandstone interbedded with claystone and shale. The

Pico Formation is thought to be the deepest unit to yield water suitable for municipal use in the area of investigation and is therefore the oldest unit that will be addressed in this report.

4.2 HYDROGEOLOGY

4.2.1 REGIONAL HYDROGEOLOGY

The Pacific Coastal Plain in Los Angeles County is divided into two distinct groundwater basins by the Newport-Inglewood uplift (Figure 4-1). To the northeast lies the Central Basin covering about 500 square miles, the majority of which occurs beneath the Downey Plain. To the southwest is the West Coast Basin that underlies the Torrance Plain, the El Segundo Sand Hills, the Palos Verdes Hills, the Dominguez Gap, the Long Beach Plain, and several smaller physiographic features. The Gardena Valley 1 & 2 Landfill lies within the West Coast Basin. At least three major bodies of groundwater are found in the two basins. In descending order these are: 1) a body of shallow unconfined and semi-perched water (Semi-perched Aquifer) that occurs in areas where more permeable sands and silts overlie less permeable clays and silts, 2) a principal body of fresh groundwater that occupies almost all of the deposits of Recent and Pleistocene age and the upper part of the underlying Pliocene rocks, and 3) a body of saline connate water that underlies the principal fresh-water body throughout the coastal plain. Figure 4-8 is a cross section, referenced to Figure 4-2, that shows the principal fresh water hydrogeologic units in the West Coast Basin.

4.2.1.1 HYDROGEOLOGIC UNITS

In the West Coast Basin, the Semi-perched Aquifer occurs both in Recent alluvial deposits of limited extent and in the uppermost portion of the Pleistocene Lakewood Formation. This unit is referred to as "semi-perched" because its total hydraulic head is typically higher than that of underlying aquifers. This unit has been described as consisting of both coarse sands and gravels (Thomas et al., 1961) and fine sand and silt (Poland et al., 1959). In most areas of the West Coast Basin, the Semi-perched Aquifer is the shallow unconfined unit encountered at the water table. This unit receives the majority

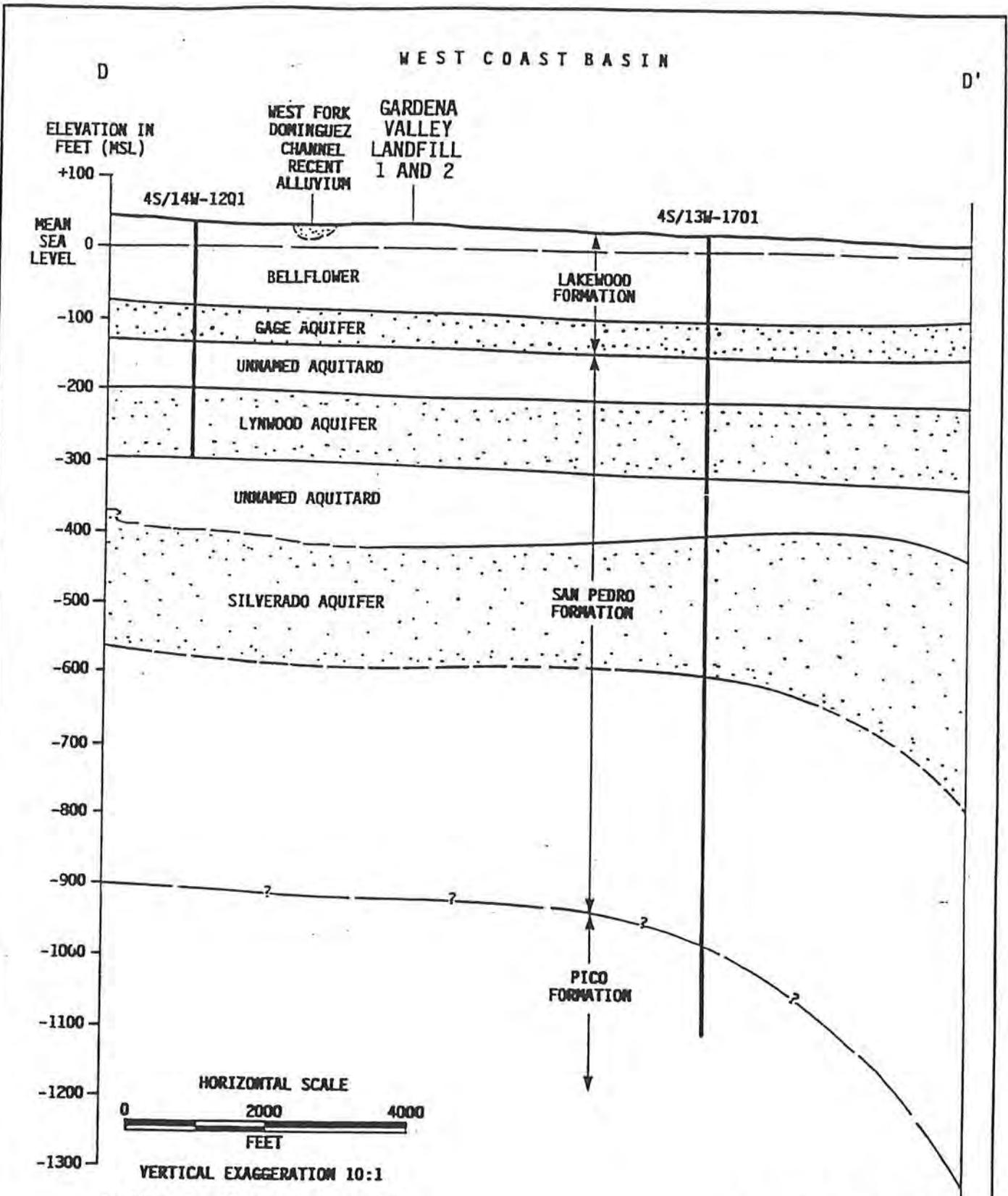


FIGURE 4-8



(714) 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

CROSS SECTION OF PRINCIPAL
 HYDROGEOLOGIC UNITS IN
 THE WEST COAST BASIN
 LOS ANGELES COUNTY, CALIFORNIA

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of its recharge via rainfall infiltration (Poland et al., 1959). Groundwater contained within the Semi-perched Aquifer is put to little beneficial use because of the low yield and the poor quality of water typically extracted from this unit throughout the basin (Thomas et al., 1961). The Semi-perched Aquifer is typically underlain by sediments of lesser permeability that restrict the vertical movement of groundwater. These lower permeability sediments are aerially extensive throughout most of the basin and have been designated as the Bellflower Aquiclude. The Bellflower is entirely within the Pleistocene Lakewood Formation over the majority of the West Coast Basin but contains some Recent sediments within the Dominguez Erosional Gap. Thicknesses of the Bellflower range up to 200 feet, and its lowest base elevation occurs approximately 140 feet below mean sea level (MSL) (Thomas et al., 1961).

Underlying the Bellflower in the majority of the West Coast Basin is the Gage Aquifer. This unit extends throughout most of the West Coast Basin but does not underlie the Long Beach Plain. The base of the Gage Aquifer roughly coincides with the base of the Lakewood Formation and hence the unit is entirely Pleistocene in age. Except for localized areas, the Gage Aquifer is confined by the Bellflower. This aquifer reaches a maximum thickness in the West Coast Basin of approximately 160 feet, and its lowest base elevation is approximately 250 feet below MSL. The unit is composed primarily of sand with lower percentages of gravel. Thin interbeds of silt and clay may also occur locally in minor amounts (Thomas et al., 1961). Transmissivities for this aquifer range from 1,300 to 12,000 feet²/day. When divided by aquifer thickness, these values result in moderate to low hydraulic conductivities. Therefore, the unit is unimportant as a producer of water for municipal use.

Lower Pleistocene deposits contain two main aquifers in the West Coast Basin. These are the Lynwood and the Silverado Aquifers. Both of these units are within the San Pedro Formation which underlies the Lakewood Formation. The uppermost aquifer, the Lynwood, is composed of sand and gravel with lesser amounts of sandy silt, silt, and clay in the northern and central parts of the West Coast Basin. South of Gardena, the gravel is not present, and the aquifer consists mainly of sand and sandy silt. Throughout most of the West Coast Basin, the Lynwood Aquifer is confined and separated from the overlying Gage Aquifer by an unnamed fine grained aquitard. However, recent studies have

shown that, in some areas, this aquitard may not be present and that the Lynwood may be in direct contact with the overlying Gage Aquifer (Ecology and Environment, 1989). The Lynwood attains a maximum thickness of approximately 200 feet, and its lowest base elevation is approximately 550 feet below MSL. Transmissivities for this aquifer range from approximately 2,700 to 13,500 feet²/day. About 10 percent of the wells in the West Coast Basin are screened in the Lynwood Aquifer; however, few of these wells are drawing water solely from the Lynwood as most are also perforated in other aquifers (Thomas, et al., 1961). Moderate well yields have been reported from this unit. The lowest defined aquifer of the San Pedro Formation in the West Coast Basin is the Silverado Aquifer. This unit consists of fine to coarse-grained sands and gravels that are continuous over most of the area but are interbedded in some places with discontinuous layers of relatively impermeable sandy silt, silt, and clay. The Silverado is confined by an unnamed aquitard throughout the West Coast Basin except in a few areas where it merges with the overlying Lynwood Aquifer. The base of the Silverado reaches a maximum depth of approximately 1,200 feet below MSL and the unit has a maximum thickness of about 500 feet. Transmissivities for this aquifer range from a low of approximately 2,700 feet²/day to a maximum of approximately 53,500 feet²/day (Thomas et al., 1961). Because the unit is typically significantly thicker than other near surface aquifers in the area, and because it displays moderate to high hydraulic conductivities, the aquifer yields significant quantities of water to fully penetrating municipal wells in the area.

Below the Silverado Aquifer are 500 to 700 feet of fresh-water bearing sediments of the San Pedro and Pico Formations that have not been identified as aquifers. In some portions of the basin, these units consist of deposits of coarse sand and gravel while in other areas the units are fine-grained and act as aquitards. The upper boundary of the Pico Formation consists of relatively impermeable silt and clay members interbedded with fresh-water sands and lenses of gravel (Thomas, et al, 1961). Water in the deeper Pliocene sediments is mainly saline.

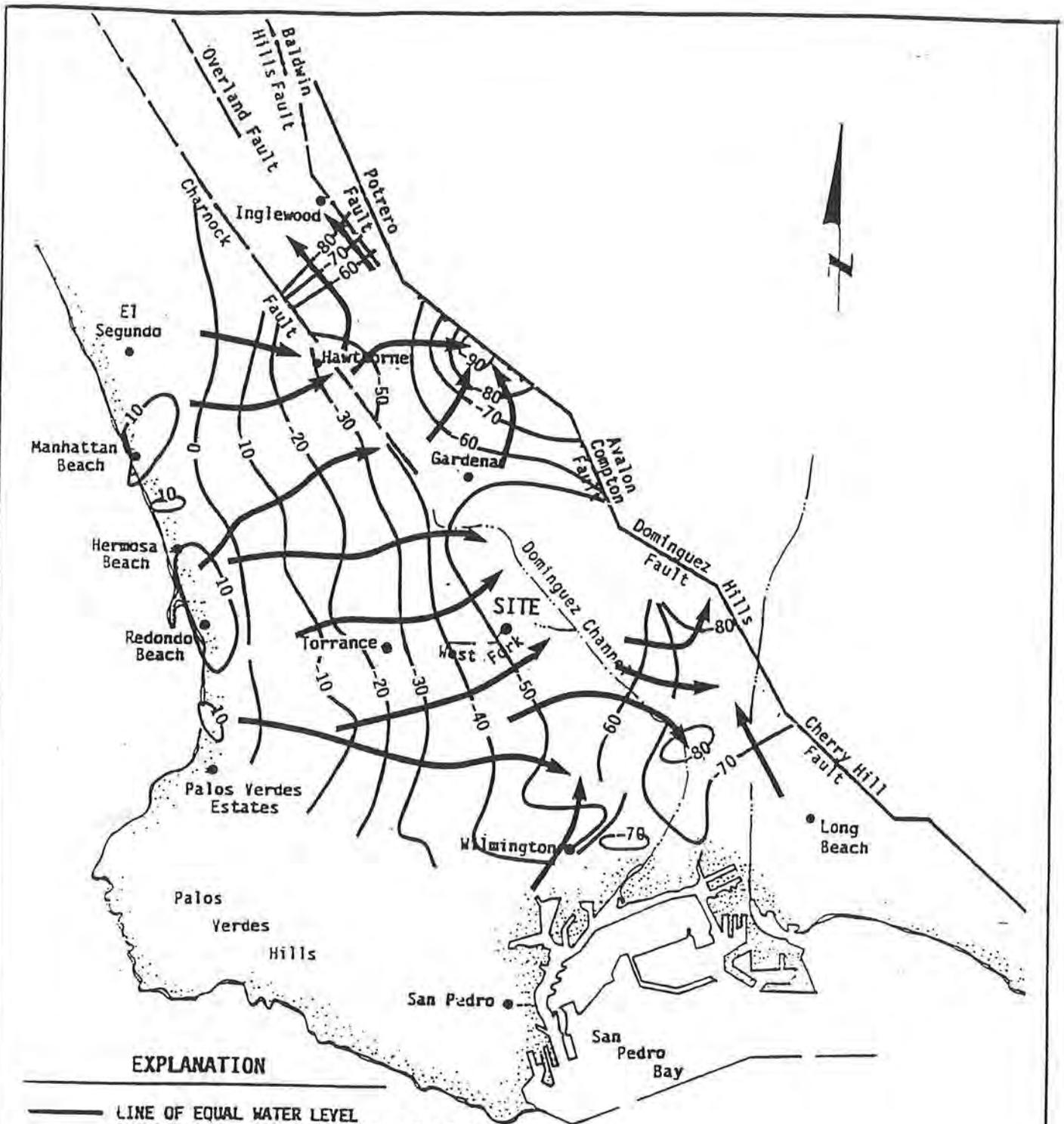
4.2.1.2 REGIONAL GROUNDWATER MOVEMENT

The Department of Water Resources, West Coast Basin Watermaster Service publishes a yearly report on water supply conditions in the West Coast Basin (State of California, 1991). A map of the potentiometric surface of the Silverado Aquifer, constructed from water levels measured in both production and monitoring wells during Spring 1991 is shown in Figure 4-9.

Although the potentiometric surface of the Silverado Aquifer generally declines in the West Coast Basin from west to east, significant variability in groundwater flow direction may occur locally. For example, between the Charnock Fault and the Potrero Fault in the northern part of the basin, flow direction is generally to the northwest, whereas, to the north of Wilmington, in the southern part of the basin, flow direction in the Silverado appears to be generally to the east. In the vicinity of the Gardena Valley 1 & 2 Landfill the groundwater flow direction in the Silverado is generally to the east-northeast.

4.2.2 LOCAL HYDROGEOLOGY

The Gardena Valley 1 & 2 Landfill is situated on the Torrance Plain within the West Coast Groundwater Basin and is bordered to the north and east by a finger of the Dominguez Erosional Gap (Figure 4-1). Native near-surface materials immediately beneath the majority of the site consist of interbedded fine sands, silts, and clays of the late Pleistocene Lakewood Formation. These sediments are of mixed marine, littoral, and alluvial origin, and typically exhibit relatively low permeabilities. Near-surface fine grained flood plain deposits of Recent age along the eastern and northern margins of the site may be the result of overbank flooding from the Dominguez Channel. Groundwater beneath areas of the site that have been impacted by Dominguez Channel deposition may exhibit the hydrogeologic characteristics of an estuarine environment such as elevated levels of chloride, sulfate, total dissolved solids, and specific conductivity.



EXPLANATION

- LINE OF EQUAL WATER LEVEL ELEVATION IN FEET (FROM MEAN SEA LEVEL)
- ← APPROXIMATE DIRECTION OF GROUND-WATER FLOW

Modified from Report of Water Supply Conditions
 West Coast Basin Water Master Service
 Fiscal Year 1991

FIGURE 4-9

BAS [714] 860-7777

BRYAN A. STIRRAT & ASSOCIATES
 CIVIL AND ENVIRONMENTAL ENGINEERS
 1360 VALLEY VISTA DRIVE • DIAMOND BAR, CA 91765

POTENTIOMETRIC MAP OF
 SILVERADO AQUIFER IN THE
 WEST COAST BASIN, SPRING, 1991
 LOS ANGELES COUNTY, CALIFORNIA

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In general, the Bouwer and Rice analyses yielded hydraulic conductivity values that were slightly less than one-half of the values obtained from the Cooper analyses. The lowest hydraulic conductivity value obtained from the Gage Wells was derived from the Bouwer and Rice analyses of the bail test on GW-4D (6.2×10^{-1} feet/day). The highest value was derived from the Cooper Method analyses of the bail test on GW-6D (38.9 feet/day).

4.2.2.6 SHALLOW GROUNDWATER FLOW SYSTEM

Water level measurements were obtained at each of the existing groundwater wells at the Gardena Valley 1 & 2 Landfill for the purpose of evaluating the groundwater flow system beneath the site within the Bellflower. Water-level measurements were also taken on the three newly installed groundwater wells within the Gage Aquifer to evaluate its flow regime. Figures 4-13 and 4-14 are potentiometric maps of the upper Bellflower taken on August 25, and 26, 1992, and September 30, 1992, respectively. Figures 4-15 and 4-16 display the potentiometric surface of the lower Bellflower taken on April 16, 1991, and September 30, 1992, respectively. Finally, Figures 4-17 and 4-18 show the interpreted potentiometric surface of the Gage Aquifer taken on August 25, and 26, 1992, and September 30, 1992, respectively. Previous studies in the area have reported the shallow groundwater flow direction to be generally to the southeast (Ecology and Environment, 1989) (R.L. Stollar and Associates, 1990). Based on water levels obtained on September 30, 1992, from the 13 wells screened in the shallow zone, the local shallow groundwater flow direction appears to be generally to the west. However, water levels at Wells GW-5A, -9A, -11A, -12A appear somewhat anomalous (Figure 4-14). Well MW-15 had the highest water level measured during the survey and is expressed as a mound on the potentiometric map which includes Wells GW-5A, -9A, and MW-14. The water level at Well GW-4A consistently has been over two feet higher than the water levels measured in the wells screened in the middle and lower zones at that location since the recording of water-level elevations commenced in March 1990 for this field investigation. Bright & Associates (1985(b)) reported a similar groundwater mound in the northeastern portion of the Golden Eagle Refinery site located immediately south of the Gardena Valley 1 & 2 Landfill. This area is very near the location of Wells GW-4A, -5A, and -9A. Historically, this area of the Golden Eagle site was covered by a surface impoundment of

water and treated refinery waste (Bright & Associates, 1985(a)). After 1950, treated wastewater was reportedly discharged to county sewer systems (Bright & Associates, 1985(a)). However, the impoundment is clearly visible on aerial photographs from 1957 and may have periodically collected rainfall runoff from the refinery until the site was demolished beginning in 1985. Prior to lining the Dominguez Channel in 1964, this area also received periodic flooding. The anomalously high water levels measured in Wells GW-4A, -5A, and -9A may result from remnant perched water that historically infiltrated from this surface impoundment. Water-level measurements taken in August and September 1991, and in January and September 1992, from two additional Golden Eagle Refinery wells MW-14 and MW-15, installed south of the Gardena Valley 1 & 2 site along Torrance Boulevard, confirm the existence of this mound which is centered around well MW-15. Two other mounds occur along the periphery of the site, around wells GW-11A and GW-12A located in the southwest and southeast corners of the Gardena Valley 1 & 2 site, respectively. One potential source investigated was leaking sewer lines. However, boreholes drilled by BAS along Torrance Boulevard near potential sewer line cracks depicted from county camera runs along the sewer lines, indicated no saturated soil or odors present around the sewer lines. Anomalous water levels may result from water in storm drains leaking into surrounding sediments and gradually infiltrating to the water table. However, it is more likely that the heterogeneous nature of the Bellflower beneath the site results in differential infiltration rates and local perching of water near the water table.

Contours of September 30, 1992, water levels in the three wells screened in the lower zone of the Bellflower at the Gardena site indicate the local groundwater flow direction is approximately south 15 degrees east. Because this flow direction more closely resembles the regional shallow groundwater flow direction, it is interpreted that potentiometric surfaces of the middle and lower zones are more indicative of the true local shallow groundwater flow regime. Water levels recorded on September 30, 1992, from the Gage Aquifer wells indicate a groundwater flow direction of south 22 degrees east.

The horizontal average linear velocity of groundwater beneath the site may be estimated using the following expression:

$$v = (K \times dh / dl) / n \quad (4)$$

where K is the hydraulic conductivity, n is the porosity of the aquifer material (assumed 0.3), v is the horizontal average linear velocity of groundwater, and dh/dl is the horizontal hydraulic gradient of groundwater. Based on the potentiometric surface of the lower zone (Figure 4-16), the horizontal hydraulic gradient of the Bellflower is approximately 1.61×10^{-3} (consistent units). Using this value for the hydraulic gradient and using the minimum and maximum hydraulic conductivity values interpreted from Bellflower slug tests, a range of horizontal average linear velocity values in the Bellflower beneath the site would be 2.68×10^{-4} feet/day to 9.40×10^{-2} feet/day. If the higher conductivity units of the middle zone are continuous beneath the site, these units would be expected to transport most of the groundwater laterally from the site. The higher value cited above is, therefore, interpreted to be more indicative of the potential of the Bellflower to transport contaminants horizontally from the site.

Based on the potentiometric surface of the Gage Aquifer (Figure 4-18), the horizontal hydraulic gradient of the Gage Aquifer is approximately 1.14×10^{-3} (consistent units). Using this gradient and the lowest and highest hydraulic conductivity values obtained from the Gage Aquifer slug tests, the horizontal average linear velocity values in the Gage Aquifer beneath the site could range from 2.35×10^{-3} feet/day to 1.48×10^{-1} feet/day. Again, the highest value cited can be interpreted as the potential of the Gage Aquifer to transport possible contaminants from the site due to the fact that groundwater preferentially flows in the most conductive units. Thus, using this highest horizontal average linear velocity, it would take a minimum of approximately 8.2 years for contaminants found in the Gage Aquifer at Well GW-1 to be transported downgradient to Well GW-6D. This calculation was also performed using water-level data from August 25, and 26, 1992, resulting in a value of 8.0 years.

The three well clusters constructed at the site during the current investigation were also used to determine the vertical hydraulic gradient between the upper, middle, and lower zones of the Bellflower and between the upper and lower Bellflower and Gage Aquifer and hence the potential for transport of contaminants vertically from the site. The calculated vertical gradients within each nest are given in Table 4-3.

In homogeneous, unconsolidated, sedimentary groundwater units, the horizontal to vertical anisotropy of hydraulic conductivity is typically on the order of 10:1. This is primarily due to the preferential horizontal orientation of mica grains as they are deposited in a sedimentary environment (Freeze and Cherry, 1979). However, in layered heterogeneous systems, such as that found in the Bellflower during this investigation, the overall system tends to react to vertical head differences as a single homogeneous unit with a horizontal to vertical anisotropy of hydraulic conductivity on the order of 100:1 or greater (Freeze and Cherry, 1979). During a recent investigation at a site located less than a mile from the Gardena Valley 1 & 2 Landfill, RLSA (1989) reported an average horizontal to vertical anisotropy of approximately 500:1 in shallow groundwater units. For the purposes of calculating the vertical velocity of groundwater movement in the Bellflower beneath the Gardena Valley 1 & 2 Landfill a conservative estimate of 100:1 will be employed. Using this ratio, and using the range of horizontal hydraulic conductivity values determined from slug tests and the total vertical hydraulic gradient values calculated from water level measurements, a range of vertical average linear velocity values have been calculated for each well nest. These values are given in Table 4-4.

Based on an average among well nests GW-4, -6, and -7, the centers of the screened intervals in the Gage Aquifer are approximately 60.86 feet below the unconfined water table within the Bellflower. Therefore, using these vertical distances and the values given in Table 3-4, a unit volume of groundwater would require an average period of 10.1 years to travel from the water table to the centers of the screened intervals within the Gage Aquifer beneath the site. In a layered heterogeneous system such as that encountered beneath this site, the

TABLE 4-3
VERTICAL HYDRAULIC GRADIENT (1) AT
EXISTING MONITORING WELL NESTS
GARDENA VALLEY 1 & 2 LANDFILL
CARSON, CALIFORNIA

| INTERVAL FOR GRADIENT CALCULATION | GW-4 | GW-6 | GW-7 |
|--|-------------|-------------|-------------|
| Upper/Middle | 0.1341 | * | 0.0267 |
| Middle/Lower | 0.003 | * | 0.0092 |
| Upper/Lower | 0.0662 | 0.0211 | 0.0159 |
| Lower/Gage | 0.0231 | 0.0176 | 0.0468 |
| Upper/Gage | 0.0501 | 0.0192 | 0.0275 |

(1) Consistent units.

(GVGWRI:TBL43:9175:11-3-92)

* No middle zone well.

TABLE 4-4
RANGE OF INTERPRETED
VERTICAL AVERAGE
LINEAR VELOCITY VALUES
BETWEEN THE UPPER BELLFLOWER
AND GAGE AQUIFER
GARDENA VALLEY 1 & 2 LANDFILL
CARSON, CALIFORNIA

| WELL LOCATION | INTERPRETED VERTICAL AVERAGE LINEAR VELOCITY VALUES | |
|--------------------------|--|-----------------------|
| | MINIMUM | MAXIMUM |
| GW-4 | 1.45×10^{-3} | 3.54×10^{-2} |
| GW-6 | 9.54×10^{-3} | 2.63×10^{-2} |
| GW-7 | 4.55×10^{-3} | 2.16×10^{-2} |

(GVGWRI:TBL44:9175:11-4-92)

SECTION 5.0

NATURE AND EXTENT OF CONTAMINATION

5.0 NATURE AND EXTENT OF CONTAMINATION

5.1 INTRODUCTION

The following is a discussion of the nature and extent of groundwater contamination at the portion of the Gardena Valley 1 & 2 Landfill that is the subject of this RI. It should be noted that all the sampling programs conducted for this investigation and the analyses performed were approved by DTSC. In addition, Objective D of the approved RI/FS Work plan included a validation of the results from previous site investigations. Therefore, the results of previous investigations performed by BCL are also presented in this report. A detailed discussion of all BAS field investigations is presented in Section 4 of this report. A summary of the laboratory results for BAS and BCL samples is presented in Volume II, Appendix C. The actual laboratory reports are provided in Volume III.

5.1.1 DATA MANAGEMENT

All appropriate data management procedures described in Volume II, Appendix B of the RI/FS Work plan were followed during the collection of laboratory samples at the site. All completed Chain-of-Custody forms are being kept on file at the offices of BAS. Copies of these forms are included in this report in Volume III, Appendix E, Raw Data: Laboratory Results. A copy of the Field Log Book is also being kept on file at BAS.

It should be noted that due to the large quantity of data, summary tables have been prepared to present the findings of the investigation. The summary tables only present the results of the compounds which were detected above laboratory detection limits. A complete set of all of the data (including nondetects and detects) are included in Volume II, Appendix C and in Volume III which contains the raw data.

5.1.2 QA/QC

5.1.2.1 SUMMARY OF QA/QC ACTIVITIES

During groundwater sampling, the QA/QC procedures described in Appendix C of the Work Plan were followed. A summary of analytical methods used in the analysis is presented in Table 5-1. In addition to the procedures specified in the Work plan, a QA/QC checklist was developed to ensure that each sample analyzed received the proper QA/QC in the field and the lab. An example of the checklist is included as Figure 5-1. These checklists have been included in Volume II, Appendix D. The following QA/QC steps were performed during all field activities:

- o Calibration of field equipment was done on a daily basis according to manufacturers Standard Operating Procedures (SOPs). These SOPs address calibration procedures, frequency of calibration, specific calibration acceptance limits, and provisions for corrective actions. Field equipment used included an Organic Vapor Monitor (OVM), a Soil pH Meter, a Temperature/pH/Electrical Conductivity Meter, and a Turbidity Meter.
- o All field measurements were taken by qualified specialists, trained on the use and calibration of each instrument used.
- o Duplicate and trip blanks were collected during the groundwater sampling to confirm the repeatability and reliability of the sample collection, handling, and analytical procedures.
- o Chain-of-Custody records accompanied each groundwater sample from the time of sampling to final delivery to the analytical laboratory. Information on the Chain-of-Custody forms include: sample I.D., sample matrix, sampling date and time, analyses to be run, and number of containers. Each individual retaining custody of the samples was required to sign and date the Chain-of-Custody form. Copies of the actual Chain-of-Custody forms used for the project are included with the raw laboratory data in Volume III.

FIGURE 5-1

QA/QC CHECKLIST

Sample ID Number: _____ Workplan ID Number: _____

Sample Location: _____

Is Chain-of-Custody Present? YES () NO ()

Are Appropriate Signatures Provided? YES () NO ()

Sample Collection Time: _____ and Date: _____

Problems with Collection: _____

Analysis Run within Appropriate Holding Time? YES () NO ()

Sample Control Log (List of Analyses) Present? YES () NO ()

Does Control Log Match Prescribed Analysis in Workplan? YES () NO ()

If Not, Explain: _____

Were 10% Duplicates Taken for Each Test Method? YES () NO () NA ()

Were Appropriate Containers Used for Collection? YES () NO ()

Were Duplicates Consistent? YES () NO () NA ()

Was Lab QA/QC Provided? YES () NO ()

Was Lab QA/QC Within Acceptable Limits? YES () NO ()

Were Prescribed Detection Limits Used? YES () NO ()

TABLE 5-1
GROUNDWATER ANALYSES
ANALYTICAL METHODS

| COMPOUND | EPA METHOD No. | TECHNIQUE |
|---|-------------------|-------------------------------------|
| Anion/Cation Balance | | Calculation |
| Total Dissolved Solids | 160.1 | Gravimetric |
| Alkalinity | 310.1 | Titrimetric |
| Fluoride | 340.2 | Electrode |
| Nitrate | 353.2 | Colorimetric |
| Chemical Oxygen Demand | 410.2 | Titration |
| Oil & Grease | 413.2 | Infrared Spectrometer |
| Petroleum Hydrocarbons | 418.1 | Colorimetric |
| Surfactants (MBAS) | 425.1 | Inductively Coupled Argon Plasma |
| METALS Sb, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Mg, Mn, Mo, Ni, K, Ag, Na, V, Zn | 6010 | Inductively Coupled Argon Plasma |
| Hardness | 6010 | Calculation |
| Arsenic | 7060 | Atomic Absorption/ Graphite Furnace |
| Lead | 7421 | Atomic Absorption/ Graphite Furnace |
| Mercury | 7471 | Atomic Absorption/ Cold Vapor |
| Selenium | 7740 | Atomic Absorption/ Graphite Furnace |
| Thallium | 7841 | Atomic Absorption/ Graphite Furnace |
| Pesticides and PCBs | 8080 | GC/Electron Capture Detector |
| Volatile Organics | 8240 | GC/ Mass Spectrometer |
| Semi-Volatile Organics | 8270 | GC/ Mass Spectrometer |
| Sulfate | 9038 | Turbidimetric |
| pH | 9040 | Electrode |
| Conductivity | 9050 | Electrode |
| Chloride | 9051 | Colorimetric |

(GV 1&2 GWRI: TBL-51.XLS: 9175: 11/6/92)

- o The laboratory QA/QC procedures for Analytical Technologies, Inc. (ATI) including calibrations and internal QA checks such as blanks and duplicates, have been included in Appendix D. Sample preservation was performed in accordance with these documents. All samples were kept on ice until delivery to the analytical laboratory.

5.1.2.2 TENTATIVELY IDENTIFIED COMPOUNDS

Tentatively Identified Compounds (TICs) are chemicals which are not specifically analyzed for in standard volatile and semi-volatile analyses, but which appear as additional peaks on the GC/MS chromatogram. By means of computer searches of libraries of peak shapes, a laboratory can compare these additional peaks to library standards in an attempt to identify the responsible chemicals. Levels of confidence are assigned to TICs, indicating the laboratory's faith in the accuracy of its evaluation. Three levels of confidence, such as A, B, and C are typically assigned to TICs. Certain TICs, such as siloxanes, freons, by-products of cyclohexene, and aldol reaction products of acetone are known to be common laboratory contaminants (U.S. EPA, 1988). As well as having uncertain identities, TICs also have uncertain concentrations (U.S. EPA, 1989). For these reasons, any quantitative analysis of the potential risks from TICs is highly uncertain.

TICs were identified in groundwater samples analyzed by Analytical Technologies, Inc. for BAS, and are termed "additional (semi-quantitated) compounds" in the laboratory results.

The majority of these TICs are "unidentified" and "aliphatic hydrocarbons" which were detected a total of 30 and 20 times respectively in groundwater samples collected during this investigation. TICs reported by ATI include the following:

| TIC | Location(s) Detected | Number of Times Detected | Average Concentration (ug/l) |
|---------------------------|---|--------------------------|------------------------------|
| Unidentified Hydrocarbons | GW-6A, 7A, 10A, 12A, 13A, 4D, & 6D | 30 | 29.63 |
| Aliphatic Hydrocarbons | GW-5A, 6A, 7A, 9A, 11A, 13A, 6C, 7C, & 6D MW-14, & 15 | 20 | 31.5 |
| Cyclic Hydrocarbons | GW-4A, 6A, & 6D | 6 | 641 |
| Cyclic Ketones | GW-6D | 3 | 200 |
| Branched Alcohols | GW-10A & 12A MW-14 | 4 | 50 |
| Carboxylic Acid | GW-10A & 13A MW-14 | 5 | 110 |
| Caprolactam | GW-10A & 13A | 2 | 265 |
| Chloroethanol Phosphate | GW-7A | 1 | 10 |
| Hydrocarbon C7 | GW-7A | 1 | 8 |
| Branched Glycol | GW-7A | 1 | 20 |
| Branched Propanol | GW-7A | 1 | 10 |
| Dichlorofluoro methane | GW-4A | 1 | 5 |
| Trimethylbenzene Isomer | GW-6D | 1 | 20 |
| Aromatic Hydrocarbon | GW-6D | 1 | 20 |
| Oxygenated Hydrocarbon | GW-6D | 1 | 30 |
| Glycol | GW-10A | 1 | 10 |

5.2 SUMMARY OF GROUNDWATER CHARACTERIZATION

This section summarizes the results of the analyses of groundwater samples collected at the Gardena Valley 1 & 2 Landfill site. The section has been separated into four subsections dealing with the four zones previously identified. Each sub-section includes a comparison of the analytical results to established Applicable or Relevant and Appropriate Regulations (ARARs). Table 5-2 summarizes the pertinent ARARs for the project.

TABLE 5-2
APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS
FOR GROUNDWATER

| COMPOUND | STATE OF CALIFORNIA | | FEDERAL |
|-----------------------------------|--------------------------------------|--|------------------------------|
| | Primary Drinking Water Standards (1) | Secondary Drinking Water Standards (2) | Drinking Water Standards (3) |
| Inorganic Compounds (mg/l) | | | |
| Arsenic | 0.05 | | 0.05 |
| Barium | 1.0 | | 1.0 |
| Copper | | 1.0 | |
| Iron | | 0.3 | |
| Manganese | | 0.05 | |
| Mercury | 0.002 | | 0.002 |
| Nitrate | 45 | | 10 |
| Selenium | 0.01 | | 0.01 |
| Silver | 0.05 | | 0.05 |
| Zinc | | 5.0 | |
| Total Dissolved Solids | | 500/1000/1500* | |
| Conductivity | | 900/1600/2200* | |
| Chloride | | 250/500/600* | |
| Sulfate | | 250/500/600* | |
| Organic Compounds (ug/l) | | | |
| 1,1-Dichloroethane | 5.0 | | |
| 1,2-Dichloroethane | 0.5 | | 5.0 |
| Benzene | 1.0 | | 5.0 |
| Ethylbenzene | 680 | | |
| Tetrachloroethene | 5.0 | | |
| Trichloroethene | 5.0 | | 5.0 |
| Xylenes | 1750 | | |

(GV 1&2 GWRI: TBL-52.XLS: 9175: 4 14/93)

NOTES:

- (1) California Code of Regulations, Title 22, Division 4, Chapter 15, Articles 4, 5, & 5.5, Sections 64435, 64441, 64444.5.
- (2) California Code of Regulations, Title 22, Division 4, Chapter 15, Article 8, Section 64473.
- (3) 40 CFR (Code of Federal Regulations), Chapter 1, Sections 141.11, 141.12, 141.61.
 - * Maximum Contaminant Levels (Recommended/Upper/Short Term); California Code of Regulations, Title 22, Division 4, Article 8, Section 64473.

5.2.1

SHALLOW BELLFLOWER ZONE

The shallow groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 13 monitoring wells and piezometers. Ten of these (GW-4A, GW-5A, GW-6A, GW-7A, GW-8A, GW-9A, GW-10A, GW-11A, GW-12A, and GW-13A) were constructed for this investigation, two were constructed to monitor the Golden Eagle Refinery site located south of Gardena Valley site, and one was constructed to monitor the Cal Compact Landfill site located east of the Gardena Valley site. Due to the complexity of the groundwater flow regime beneath the site (Figures 4-13 and 4-14), it was agreed that monitoring wells GW-6A, GW-7A, GW-10A, and GW-13A be used to characterize the water quality at the site. GW-7A has been designated as the background monitoring well with the remaining wells being designated as downgradient. Each well was sampled twice during the period between August 25, 1992 and October 8, 1992.

Inorganics analyses of groundwater samples collected from the shallow monitoring wells detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-3 and 5-4). The state "recommended" maximum contaminant level (MCL) for chloride (250 mg/l) was exceeded at downgradient location GW-13A (294 mg/l). The "upper level" MCL for conductivity (1600 mg/l) was exceeded at downgradient well GW-6A (1750 mg/l); while the "short-term" MCL (2200 mg/l) was exceeded at upgradient well GW-7A (2738 mg/l), and downgradient wells GW-10A (2993 mg/l), and GW-13A (2528 mg/l). The "recommended" MCL for sulfate (250 mg/l) was exceeded at two of the downgradient wells (GW-10A = 378 mg/l; GW-13A = 279 mg/l); while the "short-term" MCL (600 mg/l) was exceeded at upgradient well GW-7A (1012 mg/l). The "upper level" MCL for total dissolved solids (TDS) (1000 mg/l) was exceeded at GW-6A (1050 mg/l); while the "short-term" MCL (1500 mg/l) was exceeded at upgradient well GW-7A, and at downgradient wells GW-10A, and GW-13A (2160 mg/l, 1955 mg/l, and 1588 mg/l, respectively).

**TABLE 5-3
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER ANALYSES SUMMARY DATA
SHALLOW BELLEFLOWER ZONE**

| COMPOUND | UPGRADIENT FROM LANDFILL | | | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | | | |
|---------------------------------|--------------------------|---------|----------|----------|---------|---------|----------------------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|
| | GW-7A | | | GW-6A | | | GW-10A | | | GW-13A | | | | | | |
| | 8/25/92 | 10/8/92 | 11/18/92 | 12/30/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 |
| GENERAL MINERALS (mg/l): | | | | | | | | | | | | | | | | |
| Bicarbonate (as CaCO3) | 403 | | 448 | | 456 | 460 | | 1330 | | 1320 | | | 690 | 723 | | |
| Total Alkalinity (as CaCO3) | 403 | | 448 | | 456 | 460 | | 1330 | | 1320 | | | 690 | 723 | | |
| Cation/Anion Balance (Ratio) | 1.05 | | 0.99 | | 0.91 | 1.03 | | 0.93 | | 0.99 | | | 1.07 | 0.98 | | |
| Chloride | 190 | | 209 | | 164 | 160 | | 65.0 | | 66.0 | | | 295 | 299 | | |
| Chemical Oxygen Demand | 25 | | 26 | | 36 | 51 | | 74 | | 21 | | | 92 | 47 | | |
| Conductivity (umhos/cm) | 2610 | | 2720 | | 1640 | 1720 | | 3010 | | 2980 | | | 2510 | 2410 | | |
| Nitrate (as Nitrogen) | 0.05 | | 0.05 | | 0.11 | 0.05 | | 0.12 | | 0.05 | | | 0.31 | 0.11 | | |
| pH (units) | 7.36 | | 7.06 | | 7.06 | 7.25 | | 6.65 | | 6.78 | | | 6.81 | 6.96 | | |
| Sulfate | 1140 | | 910 | | 322 | 228 | | 389 | | 391 | | | 256 | 310 | | |
| Total Dissolved Solids | 2100 | | 2110 | | 1030 | 1100 | | 1930 | | 2020 | | | 1570 | 1630 | | |
| METALS (mg/l): | | | | | | | | | | | | | | | | |
| Calcium | 344 | | 356 | | 174 | 174 | | 163 | | 156 | | | 290 | 277 | | |
| Copper | 0.01 | | 0.01 | | 0.01 | 0.01 | | 0.01 | | 0.01 | | | 0.01 | 0.01 | | |
| Iron | 0.01 | | 0.01 | | 0.07 | 0.01 | | 0.01 | | 0.01 | | | 0.01 | 0.01 | | |
| Hardness | 1530 | | 1290 | | 625 | 631 | | 635 | | 617 | | | 1020 | 986 | | |
| Potassium | 8.7 | | 9 | | 9.0 | 8.9 | | 6.6 | | 6.3 | | | 12.4 | 11.3 | | |
| Magnesium | 90.4 | | 96.6 | | 46.2 | 47.8 | | 55.4 | | 55.3 | | | 72.8 | 71.4 | | |
| Manganese | 0.12 | | 0.12 | | 0.63 | 0.6 | | 3.0 | | 2.6 | | | 0.94 | 0.66 | | |
| Sodium | 163 | | 174 | | 134 | 141 | | 486 | | 537 | | | 198 | 202 | | |
| Selenium | 0.009 | | 0.002 | | 0.002 | 0.002 | | 0.002 | | 0.002 | | | 0.002 | 0.002 | | |

**TABLE 5-3
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER ANALYSES SUMMARY DATA
SHALLOW BELLFLOWER ZONE**

| COMPOUND | UPGRADIENT FROM LANDFILL | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | | | | | |
|--|-----------------------------|---------|----------|----------|-------------------------------|---------|----------|----------|---------|---------|----------|----------|---------|---------|----------|----------|
| | GW-7A | | | | GW-6A | | | | GW-10A | | | | GW-13A | | | |
| | 8/25/92 | 10/8/92 | 11/18/92 | 12/30/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 | 8/25/92 | 10/7/92 | 11/17/92 | 12/29/92 |
| SEMI-VOLATILE ORGANICS (ug/l) - EPA 8270: | | | | | | | | | | | | | | | | |
| Pyrene | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Butyl Benzyl Phthalate | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Benzo (a) Anthracene | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Bis (2-Ethylhexyl) Phthalate | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 20 | 10 | | |
| Di-n-Octylphthalate | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| Benzo (a) Pyrene | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | | 10 | 10 | | |
| VOLATILE ORGANICS - EPA 8240 (ug/l): | | | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| cis-1, 2-Dichloroethene | 1 | 1 | | | 2 | 2 | | | 1 | 1 | | | 1 | 1 | | |
| Trichloroethene | 1 | 1 | | | 3 | 3 | | | 1 | 1 | | | 1 | 1 | | |
| Tetrachloroethene | 1 | 1 | | | 3 | 3 | | | 1 | 1 | | | 1 | 1 | | |

NOTES:

 = Compound not detected, value shown is laboratory detection limit.

 = Compound detected at an unquantifiable trace level

mg/L = milligrams per litre

ug/L = micrograms per litre

(GV-GW-RI:SHALLOW\8-92SUM:10-30-92)

**TABLE 5-4
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
SHALLOW BELFLOWER ZONE**

| COMPOUND | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION ** | | | STANDARD DEVIATION ** | | | | |
|---------------------------------|------------------|-------|--------|-----------------|---------------------|-------------|-----------------------|------------------|-------|-----------------------|--------|------------------|-------|--------|
| | GW-7A Background | GW-6A | GW-10A | | | | GW-13A | GW-7A Background | GW-6A | GW-10A | GW-13A | GW-7A Background | GW-6A | GW-10A |
| GENERAL MINERALS (mg/L): | | | | | | | | | | | | | | |
| Bicarbonate (as CaCO3) | 2 | 2 | 2 | 2 | - | - | 426 | 458 | 1325 | 707 | 31.82 | 2.83 | 7.07 | 23 |
| Total Alkalinity (as CaCO3) | 2 | 2 | 2 | 2 | - | - | 426 | 458 | 1325 | 707 | 31.82 | 2.83 | 7.07 | 23 |
| Cation/Anion Balance (Ratio) | 2 | 2 | 2 | 2 | - | - | 1.02 | 0.97 | 0.96 | 1.03 | 0.04 | 0.08 | 0.04 | 0 |
| Chloride | 2 | 2 | 2 | 2 | 600 / 500 / 250 * | - | 200 | 162 | 66 | 297 | 13.44 | 2.83 | 0.71 | 3 |
| Chemical Oxygen Demand | 2 | 2 | 2 | 2 | - | - | 26 | 44 | 48 | 70 | 0.71 | 10.61 | 37.48 | 32 |
| Conductivity (umhos/cm) | 2 | 2 | 2 | 2 | 2200 / 1600 / 900 * | - | 2665 | 1680 | 2995 | 2460 | 77.78 | 56.57 | 21.21 | 71 |
| Nitrate (as Nitrogen) | 0 | 1 | 1 | 2 | 45 | 10 | 0.05 | 0.08 | 0.09 | 0.21 | 0.00 | 0.04 | 0.05 | 0 |
| pH (units) | 2 | 2 | 2 | 2 | - | - | 7.21 | 7.16 | 6.72 | 6.89 | 0.21 | 0.13 | 0.09 | 0 |
| Sulfate | 2 | 2 | 2 | 2 | 600 / 500 / 250 * | - | 1025 | 275 | 390 | 283 | 162.63 | 66.47 | 1.41 | 38 |
| Total Dissolved Solids | 2 | 2 | 2 | 2 | 1500 / 1000 / 500 * | - | 2105 | 1065 | 1975 | 1600 | 7.07 | 49.50 | 63.64 | 42 |
| METALS (mg/L): | | | | | | | | | | | | | | |
| Calcium | 2 | 2 | 2 | 2 | - | - | 350 | 174 | 160 | 284 | 8.49 | 0.00 | 4.95 | 9 |
| Copper | 1 | 0 | 0 | 0 | 1 ** | - | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0 |
| Iron | 0 | 1 | 0 | 0 | 0.3 ** | - | 0.01 | 0.04 | 0.01 | 0.01 | 0.00 | 0.04 | 0.00 | 0 |
| Hardness | 2 | 2 | 2 | 2 | - | - | 1410 | 628 | 626 | 1003 | 169.71 | 4.24 | 12.73 | 24 |
| Potassium | 2 | 2 | 2 | 2 | - | - | 8.85 | 8.95 | 6.45 | 11.85 | 0.21 | 0.07 | 0.21 | 1 |
| Magnesium | 2 | 2 | 2 | 2 | - | - | 93.50 | 47.00 | 55.35 | 72.10 | 4.38 | 1.13 | 0.07 | 1 |
| Manganese | 2 | 2 | 2 | 2 | 0.05 ** | - | 0.12 | 0.62 | 2.81 | 0.80 | 0.00 | 0.02 | 0.27 | 0 |
| Sodium | 2 | 2 | 2 | 2 | - | - | 169 | 138 | 512 | 200 | 7.78 | 4.95 | 36.06 | 3 |
| Selenium | 1 | 0 | 0 | 0 | 0.01 | 0.01 | 0.006 | 0.002 | 0.002 | 0.002 | 0.00 | 0.00 | 0.00 | 0 |

TABLE 5-4
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
SHALLOW BELLFLOWER ZONE

| COMPOUND | NUMBER DETECTED | | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION ** | | | | STANDARD DEVIATION ** | | | |
|--|---------------------|-------|--------|--------|--------------------|--------------|----------------|-----------------------|-------|--------|--------|-----------------------|-------|--------|--------|
| | GW-7A Background | GW-6A | GW-10A | GW-13A | | | | GW-7A Background | GW-6A | GW-10A | GW-13A | GW-7A Background | GW-6A | GW-10A | GW-13A |
| SEMI-VOLATILE ORGANICS (ug/L) - EPA 8270: | | | | | | | | | | | | | | | |
| Pyrene | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Butyl Benzyl Phthalate | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Benzo (a) Anthracene | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Bis (2-Ethylhexyl) Phthalate | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 15 | 0.00 | 0.00 | 0.00 | 7 |
| Di-n-Octylphthalate | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| Benzo (a) Pyrene | 0 | 0 | 0 | 1 | 10 | - | - | 10 | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 | 0 |
| VOLATILE ORGANICS - EPA 8240 (ug/L): | | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 0 | 2 | 0 | 0 | 1 | 5 | - | 1 | 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |
| cis-1, 2-Dichloroethene | 0 | 2 | 0 | 0 | 1 | - | - | 1 | 2 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |
| Trichloroethene | 0 | 2 | 0 | 0 | 1 | 5 | 5 | 1 | 3 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |
| Tetrachloroethene | 1 | 2 | 0 | 0 | 1 | 5 | - | 1 | 3 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0 |

NOTES:

* = Background wells

TR = Compound detected at an unquantifiable trace level

mg/L = milligrams per litre

ug/L = micrograms per litre

(GV-GW-RI:SHALLOW\8-92SUM:10-30-92)

Metals analyses detected low concentrations of eight metals in groundwater samples collected from the shallow zone wells. Seven metals were detected in upgradient well GW-7A; six were detected in downgradient wells GW-6A, GW-10A, and GW-13A. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in upgradient monitoring well GW-7A (0.25 mg/l) and in downgradient wells, GW-6A (0.62 mg/l), GW-10A (2.81 mg/l), and GW-13A (0.80 mg/l).

Semi-volatile organics analyses of the sample collected from the shallow groundwater monitoring well GW-13A on August 25, 1992 detected trace concentrations of five compounds and low level concentration of bis (2-ethylhexyl)phthalate (20 ug/l), a common laboratory contaminant. No semi-volatile organic compounds were detected in samples collected from well GW13A during any other sampling rounds, or in any of the samples collected from upgradient monitoring well GW-7A, or downgradient monitoring wells GW-6A or GW-10A.

Tetrachloroethene was detected at the laboratory method detection limit once during analyses of the samples collected from upgradient monitoring well GW-7A. No other volatile organic compounds were detected at well GW-7A, and none were detected in samples collected from downgradient wells GW-10A, or GW-13A. Low concentration levels of five organic compounds were detected in water samples collected from monitoring well GW-6A (1,1-dichloroethane - 1.75 ug/l; - cis-1,2-dichloroethene - 3 ug/l; 1,2-dichloroethane - 1.25 ug/l; trichloroethene - 4 ug/l; tetrachloroethene - 3.5 ug/l). With the exception of 1,2-dichloroethane, which exceeded the state MCL, none of the mean concentrations of volatile organic compounds were found to be in excess of any established ARAR (Table 5-4).

INTERMEDIATE BELLFLOWER ZONE

The intermediate Bellflower zone groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 2 monitoring wells. Monitoring well GW-7B has been designated as the background monitoring well while GW-4B has been designated as the single downgradient monitoring point. Each well was sampled six times during the period between March 2, 1990 and May 7, 1991.

Inorganics analyses of water samples collected from wells GW-7B, and GW-4B detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-5 and 5-6). The state "short-term" MCL for chloride (600 mg/l) was exceeded at downgradient location GW-4B (2,885 mg/l). The "recommended" MCL for conductivity (900 mg/l) was exceeded at upgradient well GW-7B (1,064 mg/l); while the "short-term" MCL (2200 mg/l) was exceeded at downgradient well GW-4B (10,022 mg/l). The "short-term" MCL (600 mg/l) for sulfate was exceeded at downgradient well GW-4B (1644 mg/l). The "recommended" MCL (500 mg/l) for TDS was exceeded at upgradient well GW-7B; while the "short-term" MCL (1500 mg/l) was exceeded at downgradient well GW-4B.

Metals analyses detected low concentrations of fifteen metals in groundwater samples collected from the intermediate Bellflower zone wells. Eleven metals were detected at least once in upgradient well GW-7B. The mean upgradient metals concentrations from the six sampling events did not exceed any established ARARs (Table 5-6). Twelve metals were detected at least once in downgradient well GW-4B. The mean metals concentrations of samples collected from GW-4B did not exceed established ARARs, with the exception of manganese (mean conc. = 3.55 mg/l) which exceeded the state secondary drinking water standard of 0.5 mg/l.

No semi-volatile organic compounds were detected in samples collected from upgradient monitoring well GW-7B, or downgradient monitoring well GW-4B.

**TABLE 3-5
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
INTERMEDIATE BELFLOWER ZONE**

| COMPOUND | UPGRADIENT FROM LANDFILL GW-7B | | | | | | DOWNGRADIENT FROM LANDFILL GW-4B | | | | | |
|-----------------------------|--------------------------------|---------|---------|---------|---------|--------|----------------------------------|---------|---------|---------|---------|--------|
| | 3/2/90 | 3/13/90 | 3/29/90 | 8/22/90 | 1/29/91 | 5/7/91 | 3/2/90 | 3/13/90 | 3/28/90 | 8/21/90 | 1/30/91 | 5/8/91 |
| | GENERAL MINERALS (mg/L) | | | | | | | | | | | |
| Bicarbonate | 163 | 156 | 157 | 151 | 149 | 148 | 335 | 340 | 330 | 322 | 325 | 306 |
| Cation/Anion Balance | 0.92 | 0.9 | 1.01 | 0.93 | 1.04 | 1.01 | 0.84 | 0.91 | 1.09 | 0.92 | 1.09 | 0.97 |
| Chemical Oxygen Demand | 5 | 5 | 5 | 6 | 5 | 30.9 | 61 | 58 | 59 | 53 | 12 | 74.6 |
| Chloride | 121 | 148 | 140 | 140 | 150 | 160 | 2,990 | 3,060 | 2,780 | 2,800 | 2,820 | 2,860 |
| Conductivity | 952 | 970 | 1060 | 1070 | 1130 | 1200 | 9,760 | 9,420 | 9,650 | 10,200 | 10,500 | 10,600 |
| Nitrate as Nitrogen | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Oil and Grease | 0.10 | 0.17 | 0.05 | NA | 0.05 | NA | 0.25 | 0.12 | 0.1 | NA | 0.67 | NA |
| Petroleum Hydrocarbons | 0.05 | 0.09 | 0.05 | NA | 0.05 | NA | 0.05 | 0.05 | 0.1 | NA | 0.46 | NA |
| pH | 7.46 | 7.71 | 7.86 | 7.78 | 7.62 | 7.57 | 7.23 | 7.14 | 7.25 | 7.01 | 7.28 | 7.18 |
| Sulfate | 227 | 176 | 203 | 216 | 182 | 191 | 1,700 | 1,415 | 2,030 | 1,910 | 1,310 | 1,500 |
| Total Alkalinity (as CaCO3) | 5 | 5 | 157 | 151 | 149 | 148 | 5 | 5 | 330 | 322 | 325 | 306 |
| Total Dissolved Solids | 670 | 618 | 642 | 664 | 670 | 694 | 8,130 | 7,620 | 7,890 | 7,900 | 9,140 | 7,700 |
| METALS (mg/L) | | | | | | | | | | | | |
| Arsenic | 0.002 | 0.002 | 0.007 | NA | 0.002 | NA | 0.002 | 0.004 | 0.007 | NA | 0.002 | NA |
| Barium | 0.04 | 0.04 | 0.03 | NA | 0.05 | NA | 0.06 | 0.07 | 0.13 | NA | 0.06 | NA |
| Calcium | 99.1 | 96.1 | 105 | 91.1 | 114 | 114 | 1,190 | 1,320 | 1,350 | 1,350 | 1,450 | 1,320 |
| Copper | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 |
| Hardness | 352 | 339 | 373 | 327 | 398 | 398 | 4,260 | 4,620 | 4,580 | 4,620 | 5,000 | 4,580 |
| Iron | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Magnesium | 25.3 | 24.1 | 26.9 | 24.4 | 27.5 | 27.5 | 312 | 320 | 332 | 303 | 335 | 312 |
| Manganese | 0.07 | 0.08 | 0.08 | 0.17 | 0.08 | 0.11 | 2.9 | 3.3 | 5.8 | 3 | 3.1 | 3.2 |
| Mercury | 0.0005 | 0.0005 | 0.0005 | NA | 0.001 | NA | 0.0005 | 0.0005 | 0.0005 | NA | 0.0005 | NA |
| Molybdenum | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA | 0.05 | 0.04 | 0.05 | NA | 0.01 | NA |
| Nickel | 0.01 | 0.01 | 0.05 | NA | 0.02 | NA | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA |
| Potassium | 6 | 5.6 | 5.9 | 7.7 | 5.7 | 5.4 | 25.6 | 26.5 | 22.8 | 21.9 | 21.8 | 23.4 |
| Selenium | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.03 | 0.002 | 0.002 | 0.002 | 0.002 | 0.006 |
| Silver | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA | 0.01 | 0.01 | 0.01 | NA | 0.01 | NA |
| Sodium | 72.5 | 67.6 | 69.3 | 89 | 77.2 | 78.7 | 466 | 437 | 559 | 506 | 517 | 506 |
| Zinc | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.01 | 0.01 | 0.01 |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Acetone | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20TR |
| Methylene Chloride | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 13* |

NOTES: Shaded numbers indicate the detection limit for an undetected compound.
 NA: Indicates that a Compound was not analyzed for.
 TR: Indicates that analyte was detected in non-quantifiable trace amounts.
 * Analyte found in associated reagent blank.

(GV-GW-RI: BELLINT: 10-30-92)

TABLE 5-6
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
INTERMEDIATE BELLFLOWER ZONE

| COMPOUND | NUMBER DETECTED | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | STANDARD DEVIATION*** | |
|--|---------------------|-------|--------------------|----------------|----------------|-----------------------|--------|-----------------------|--------|
| | GW-7B Background | GW-4B | | | | GW-7B Background | GW-4B | GW-7B Background | GW-4B |
| GENERAL MINERALS (mg/L) | | | | | | | | | |
| Bicarbonate | 6 | 6 | 5 | - | - | 154 | 326 | 6 | 12 |
| Cation/Anion Balance | 6 | 6 | - | - | - | 0.97 | 0.97 | 0.06 | 0.10 |
| Chemical Oxygen Demand | 2 | 6 | 5 | - | - | 9 | 53 | 10 | 21 |
| Chloride | 6 | 6 | 2 | 600/500/250* | - | 143 | 2885 | 13 | 114 |
| Conductivity | 6 | 6 | -- | 2200/1600/900* | - | 1064 | 10022 | 94 | 482 |
| Nitrate as Nitrogen | 0 | 1 | 0.05 | 45 | 10 | 0.05 | 0.05 | 0.00 | 0.00 |
| Oil and Grease | 2 | 4 | 0.05 | - | - | 0.09 | 0.29 | 0.06 | 0.27 |
| Petroleum Hydrocarbons | 1 | 2 | 0.05 | - | - | 0.06 | 0.17 | 0.02 | 0.20 |
| pH | 6 | 6 | - | - | - | 7.67 | 7.18 | 0.15 | 0.10 |
| Sulfate | 6 | 6 | 10 | 600/500/250* | - | 199 | 1644 | 20 | 286 |
| Total Alkalinity (as CaCO ₃) | 4 | 4 | 5 | - | - | 103 | 216 | 76 | 163 |
| Total Dissolved Solids | 6 | 6 | 20 | 1500/1000/500* | - | 660 | 8063 | 26 | 557 |
| METALS (mg/L) | | | | | | | | | |
| Arsenic | 2 | 2 | 0.002 | 0.05 | 0.05 | 0.003 | 0.004 | 0.003 | 0.002 |
| Barium | 4 | 4 | 0.01 | 1 | 1 | 0.04 | 0.08 | 0.01 | 0.03 |
| Calcium | 6 | 6 | 0.05 | - | - | 103 | 1330 | 9 | 84 |
| Copper | 1 | 1 | 0.01 | 1** | - | 0.022 | 0.022 | 0.004 | 0.004 |
| Hardness | 6 | 6 | 0.5 | - | - | 365 | 4610 | 30 | 235 |
| Iron | 1 | 0 | 0.01 | 0.3** | - | 0.012 | 0.010 | 0.004 | 0 |
| Magnesium | 6 | 6 | 0.01 | - | - | 26 | 319 | 2 | 12 |
| Manganese | 6 | 6 | 0.01 | 0.5** | - | 0.10 | 3.55 | 0.04 | 1.11 |
| Mercury | 1 | 0 | 0.0005 | 0.002 | 0.002 | 0.0006 | 0.0005 | 0.0003 | 0.0000 |
| Molybdenum | 0 | 4 | 0.01 | - | - | 0.01 | 0.04 | 0.00 | 0.02 |
| Nickel | 2 | 0 | 0.01 | - | - | 0.02 | 0.01 | 0.02 | 0.00 |
| Potassium | 6 | 6 | 0.1 | - | - | 6.05 | 23.67 | 0.84 | 1.96 |
| Selenium | 0 | 2 | 0.002 | 0.01 | 0.01 | 0.002 | 0.003 | 0.000 | 0.002 |
| Silver | 0 | 1 | 0.01 | 0.05 | 0.05 | 0.01 | 0.01 | 0 | 0 |
| Sodium | 6 | 6 | 0.1 | - | - | 76 | 499 | 8 | 42 |
| Zinc | 0 | 2 | 0.01 | 5.0** | - | 0.010 | 0.015 | 0.000 | 0.008 |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | |
| Acetone | 0 | 1 | 20 | - | - | 20 | 20 | 0 | 0 |
| Methylene Chloride | 0 | 1 | 5 | - | - | 5 | 6.33 | 0 | 0 |

NOTES:

- * - Short Term/Upper/Recommended Maximum Contaminant Levels.
- ** - Indicates State Secondary Drinking Water Standard. All other State MCLs listed are Primary Standards.
- *** - Detection limit values were used for undetected compounds in the calculation of mean concentrations and standard deviations.

(GV-GW-R1: BELLINT: 04-20-93)

No volatile organic compounds were detected during analyses of the sample collected from upgradient monitoring well GW-7B. Acetone was detected once (05/08/91; at an unquantifiable trace concentration) in downgradient monitoring well GW-4B. In addition, methylene chloride was detected at a low concentration level (13 ug/l) in that same sample. However, methylene chloride was also found in the associated reagent blank for this sample and, therefore, this isolated reporting is not considered valid or significant.

5.2.3 DEEP BELLFLOWER ZONE

The deep Bellflower zone groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 3 monitoring wells. Monitoring well GW-7C has been designated as the background monitoring wells while GW-4C and GW-6C have been designated as downgradient monitoring points. Each well was sampled six times during the period between March 2, 1990 and May 9, 1991.

Inorganics analyses of water samples collected from wells GW-4C, GW-6C and GW-7C detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-7 and 5-8). The state "short-term" MCL for chloride (600 mg/l) was exceeded at downgradient location GW-4C (1,066 mg/l). The "recommended" MCL for conductivity (900 mg/l) was exceeded at upgradient well GW-7C (1,028 mg/l) and at downgradient well GW-6C (1,245 mg/l); while the "short-term" MCL (2200 mg/l) was exceeded at downgradient well GW-4C (3,938 mg/l). The "recommended" MCL (250 mg/l) for sulfate was exceeded at upgradient well GW-7C (271 mg/l) and at both downgradient wells, GW-4B (306 mg/l) and GW-6C (276 mg/l). The "recommended" MCL (500 mg/l) for TDS was exceeded at upgradient well GW-7C (693 mg/l) and downgradient well GW-6C (783 mg/l); while the "short-term" MCL (1500 mg/l) was exceeded at downgradient well GW-4C (2,775 mg/l).

Metals analyses detected low concentrations of thirteen metals in groundwater samples collected from the deep Bellflower zone wells. Nine metals were detected at least once in upgradient well GW-7C and downgradient well GW-4C. Twelve metals were detected at least once in downgradient well

**TABLE 5-7
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
BASE OF THE BELLFLOWER AQUIFER**

| COMPOUND | UPGRADIENT FROM LANDFILL GW-7C | | | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | | | | | |
|--|--------------------------------------|---------|---------|---------|---------|--------|-------------------------------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|--------|
| | | | | | | | GW-4C | | | | | | GW-6C | | | | | |
| | 3/2/90 | 3/12/90 | 3/29/90 | 8/21/90 | 1/30/91 | 5/7/91 | 3/2/90 | 3/12/90 | 3/29/90 | 8/21/90 | 1/30/91 | 5/8/91 | 3/2/90 | 3/12/90 | 3/28/90 | 8/22/90 | 1/29/91 | 5/9/91 |
| GENERAL MINERALS (mg/L) | | | | | | | | | | | | | | | | | | |
| Bicarbonate | 198 | 200 | 198 | 194 | 191 | 189 | 120 | 120 | 120 | 116 | 113 | 115 | 190 | 195 | 206 | 197 | 200 | 194 |
| Carbonate | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 120 | 5 | 5 | 5 | 5 | 5 | 206 | 5 | 5 | 5 |
| Cation/Anion Balance | 0.92 | 0.91 | 1.04 | 0.89 | 1.04 | 1.01 | 1.04 | 0.94 | 1.08 | 1.09 | 1.02 | 0.98 | 0.87 | 1.02 | 1.02 | 1.04 | 1.03 | 0.94 |
| Chemical Oxygen Demand | 6 | 5 | 14 | 5 | 7 | 18.6 | 15 | 16 | 21 | 15 | 12 | 46.3 | 6 | 12 | 12 | 14 | 16 | 9.8 |
| Chloride | 74.7 | 79.5 | 75 | 65 | 71 | 70 | 1,030 | 1,070 | 1050 | 925 | 1140 | 1180 | 139 | 149 | 140 | 125 | 150 | 140 |
| Conductivity | 1,010 | 1,000 | 1010 | 1020 | 1020 | 1110 | 3,680 | 3,720 | 3670 | 4030 | 4110 | 4420 | 1,190 | 1,210 | 1220 | 1270 | 1290 | 1290 |
| Nitrate as Nitrogen | 0.05 | 0.05 | 7.2 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.10 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Oil and Grease | 0.33 | 0.13 | 0.07 | NA | 0.05 | NA | 0.14 | 0.10 | 0.05 | NA | 0.05 | NA | 0.31 | 0.36 | 0.11 | NA | 0.05 | NA |
| Petroleum Hydrocarbons | 0.05 | 0.05 | 0.06 | NA | 0.05 | NA | 0.05 | 0.05 | 0.05 | NA | 0.05 | NA | 0.05 | 0.20 | 0.05 | NA | 0.05 | NA |
| pH | 7.57 | 7.62 | 7.91 | 7.48 | 7.72 | 7.69 | 7.37 | 7.36 | 7.57 | 7.4 | 7.36 | 7.31 | 7.77 | 7.43 | 7.74 | 7.74 | 7.59 | 7.59 |
| Sulfate | 308 | 276 | 254 | 315 | 223 | 248 | 260 | 410 | 301 | 295 | 286 | 283 | 329 | 252 | 290 | 262 | 255 | 265 |
| Surfactants | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.20 | 0.2 | 0.1 | 0.1 | 0.1 |
| Total Alkalinity (as CaCO ₃) | 5 | 5 | 5 | 194 | 191 | 189 | 5 | 5 | 5 | 116 | 113 | 115 | 5 | 5 | 5 | 197 | 200 | 194 |
| Total Dissolved Solids | 742 | 674 | 672 | 684 | 744 | 640 | 2,710 | 2,540 | 2670 | 2670 | 3260 | 2800 | 852 | 746 | 670 | 846 | 802 | 784 |
| METALS (mg/L) | | | | | | | | | | | | | | | | | | |
| Arsenic | 0.002 | 0.002 | 0.005 | NA | 0.002 | NA | 0.002 | 0.002 | 0.007 | NA | 0.002 | NA | 0.006 | 0.006 | 0.007 | NA | 0.002 | NA |
| Barium | 0.02 | 0.02 | 0.02 | NA | 0.03 | NA | 0.09 | 0.09 | 0.13 | NA | 0.18 | NA | 0.05 | 0.04 | 0.04 | NA | 0.1 | NA |
| Beryllium | 0.005 | 0.005 | 0.005 | NA | 0.005 | NA | 0.005 | 0.005 | 0.005 | NA | 0.006 | NA | 0.005 | 0.005 | 0.005 | NA | 0.005 | NA |
| Calcium | 117 | 112 | 109 | 109 | 112 | 111 | 402 | 419 | 387 | 430 | 490 | 483 | 121 | 136 | 136 | 140 | 150 | 133 |
| Copper | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.06 | 0.02 | 0.02 | 0.02 |
| Hardness | 413 | 393 | 385 | 385 | 394 | 391 | 1,440 | 1,500 | 1400 | 1540 | 1740 | 1720 | 426 | 479 | 474 | 486 | 517 | 460 |
| Iron | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Magnesium | 29.3 | 27.6 | 27.4 | 27.5 | 27.8 | 27.6 | 107 | 109 | 105 | 115 | 126 | 125 | 30.1 | 33.9 | 32.7 | 33.1 | 34.6 | 31.1 |
| Manganese | 0.26 | 0.3 | 0.26 | 0.26 | 0.23 | 0.29 | 0.92 | 1.0 | 0.94 | 1.2 | 1.5 | 1.5 | 0.19 | 0.21 | 0.26 | 0.21 | 0.15 | 0.20 |
| Molybdenum | 0.02 | 0.02 | 0.03 | NA | 0.01 | NA | 0.03 | 0.03 | 0.02 | NA | 0.01 | NA | 0.02 | 0.03 | 0.02 | NA | 0.02 | NA |
| Potassium | 6.2 | 5.9 | 5.5 | 5.5 | 5.4 | 5.3 | 14.1 | 13.5 | 13.6 | 12 | 12.0 | 11.4 | 7.6 | 7.3 | 7.1 | 6.6 | 6.8 | 6.1 |
| Selenium | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.02 | 0.02 |
| Sodium | 71.7 | 65.8 | 59.6 | 68.3 | 67.0 | 68.9 | 195 | 192 | 155 | 146 | 134 | 132 | 90.5 | 89.2 | 78.5 | 80.2 | 78.4 | 72.5 |
| Zinc | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.08 | 0.01 | 0.01 | 0.01 | 0.01 |
| VOLATILE ORGANICS (ug/L) | | | | | | | | | | | | | | | | | | |
| Carbon Disulfide | 1 | 1 | 1 | 4 | 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

NOTES:

Shaded numbers indicate the detection limit for an undetected compound.

NA: Indicates that a Compound was not analyzed for.

(GV-GW-RJ: BELLDEEP: 10/30/92)

TABLE 5-8
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
BASE OF THE BELLFLOWER AQUIFER

| COMPOUND | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | | STANDARD DEVIATION*** | | |
|---------------------------------|---------------------|-------|-------|--------------------|----------------|----------------|-----------------------|-------|--------|-----------------------|--------|-------|
| | GW-7C Background | GW-4C | GW-6C | | | | GW-7C Background | GW-4C | GW-6C | GW-7C Background | GW-4C | GW-6C |
| GENERAL MINERALS (mg/L) | | | | | | | | | | | | |
| Bicarbonate | 6 | 6 | 6 | 5 | - | - | 195 | 117 | 197 | 4.38 | 3.08 | 5.51 |
| Carbonate | 0 | 1 | 1 | 5 | - | - | 5.00 | 24.17 | 38.50 | 0 | 47 | 82 |
| Cation/Anion Balance | 6 | 6 | 6 | — | - | - | 0.97 | 1.03 | 0.99 | 0.07 | 0.06 | 0.07 |
| Chemical Oxygen Demand | 4 | 6 | 6 | 5 | - | - | 9.27 | 20.88 | 11.63 | 5.69 | 12.79 | 3.47 |
| Chloride | 6 | 6 | 6 | 2 | 600/500/250* | - | 73 | 1066 | 141 | 5 | 89 | 9 |
| Conductivity | 6 | 6 | 6 | — | 2200/1600/900* | - | 1028 | 3938 | 1245 | 41 | 302 | 44 |
| Nitrate as Nitrogen | 1 | 1 | 2 | 0.05 | 45 | 10 | 1.24 | 0.05 | 0.06 | 2.92 | 0.00 | 0.02 |
| Oil and Grease | 3 | 2 | 3 | 0.05 | - | - | 0.15 | 0.09 | 0.21 | 0.13 | 0.04 | 0.15 |
| Petroleum Hydrocarbons | 1 | 0 | 1 | 0.05 | - | - | 0.05 | 0.05 | 0.0875 | 0.00 | 0.00 | 0.08 |
| pH | 6 | 6 | 6 | — | - | - | 7.67 | 7.40 | 7.64 | 0.15 | 0.09 | 0.13 |
| Sulfate | 6 | 6 | 6 | 10 | 500/500/250* | - | 271 | 306 | 276 | 36 | 53 | 29 |
| Surfactants | 5 | 0 | 5 | 0.1 | - | - | 0.13 | 0.10 | 0.15 | 0.05 | 0 | 0.05 |
| Total Alkalinity (as CaCO3) | 3 | 3 | 3 | 5 | - | - | 98 | 60 | 101 | 102 | 60 | 105 |
| Total Dissolved Solids | 6 | 6 | 6 | 10 | 1500/1000/500* | - | 693 | 2775 | 783 | 42 | 252 | 68 |
| METALS (mg/L) | | | | | | | | | | | | |
| Arsenic | 1 | 1 | 3 | 0.002 | 0.05 | 0.05 | 0.003 | 0.003 | 0.005 | 0.002 | 0.003 | 0.002 |
| Barium | 4 | 4 | 4 | 0.01 | 1 | 1 | 0.02 | 0.12 | 0.06 | 0.005 | 0.043 | 0.029 |
| Beryllium | 0 | 1 | 0 | 0.005 | - | - | 0.005 | 0.005 | 0.005 | 0 | 0.0005 | 0 |
| Calcium | 6 | 6 | 6 | 0.05 | - | - | 112 | 435 | 136 | 3 | 42 | 9 |
| Copper | 0 | 0 | 1 | 0.02 | 1.0** | - | 0.02 | 0.02 | 0.03 | 0 | 0 | 0.016 |
| Hardness | 6 | 6 | 6 | 0.5 | - | - | 394 | 1557 | 474 | 10 | 143 | 30 |
| Iron | 0 | 0 | 1 | 0.01 | 0.3 * | - | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| Magnesium | 6 | 6 | 6 | 0.01 | - | - | 28 | 115 | 33 | 0.71 | 9.16 | 1.70 |
| Manganese | 6 | 6 | 6 | 0.01 | .05** | - | 0.27 | 1.18 | 0.20 | 0.03 | 0.27 | 0.04 |
| Molybdenum | 3 | 3 | 4 | 0.01 | - | - | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 |
| Potassium | 6 | 6 | 6 | 0.2 | - | - | 5.63 | 12.77 | 6.92 | 0.34 | 1.10 | 0.53 |
| Selenium | 0 | 0 | 1 | 0.002 | 0.01 | 0.01 | 0.002 | 0.002 | 0.008 | 0 | 0 | 0.009 |
| Sodium | 6 | 6 | 6 | 1 | - | - | 67 | 159 | 82 | 4 | 28 | 7 |
| Zinc | 1 | 0 | 1 | 0.01 | 5** | - | 0.01 | 0.01 | 0.02 | 0 | 0 | 0.03 |
| VOLATILE ORGANICS (ug/L) | | | | | | | | | | | | |
| Carbon Disulfide | 2 | 0 | 0 | 1 | - | - | 3.67 | 1.00 | 1.00 | 5.20 | 0 | 0 |

NOTES:

- * - Short Term/Upper/Recommended Maximum Contaminant Levels.
- ** - Indicates State Secondary Drinking Water Standard. All other State MCLs listed are Primary Standards.
- *** - Detection limit values were used for undetected compounds in the calculation of mean concentrations and standard deviations.

GW-6C. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in upgradient monitoring well GW-7C (0.27 mg/l) and in both downgradient wells, GW-4C (1.18 mg/l) and GW-6C (0.20 mg/l). Volatile organic compounds were detected in samples collected from upgradient monitoring well GW-7C, or downgradient monitoring wells GW-4C or GW-6C.

Carbon disulfide was detected twice (08/21/90 - 4 ug/l; 01/30/91 - 14 ug/l) in upgradient monitoring well GW-7C. There is currently no established state or federal MCL for carbon disulfide. No volatile organic compounds were detected during analyses of the samples collected from downgradient monitoring wells GW-4C or GW-6C.

5.2.4 GAGE AQUIFER

The Gage Aquifer groundwater monitoring network for the Gardena Valley 1 & 2 Landfill consists of 3 monitoring wells. Monitoring well GW-7D has been designated as the background monitoring wells while GW-4D and GW-6D have been designated as downgradient monitoring points. Each well was sampled four times during the period between January 28, 1991, and August 25, 1992.

Inorganics analyses of water samples collected from wells GW-4D, GW-6D and GW-7D detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs (Tables 5-9 and 5-10). The state "short-term" MCL for chloride (600 mg/l) was exceeded at downgradient location GW-4D (676 mg/l). The "upper" MCL for conductivity (1600 mg/l) was exceeded at downgradient well GW-6D (2,120 mg/l); while the "short-term" MCL (2,200 mg/l) was exceeded at downgradient well GW-4D (2,433 mg/l). The "upper" MCL (500 mg/l) for sulfate was exceeded at downgradient well GW-6D (556 mg/l); while the "short-term" MCL (600 mg/l) was exceeded at downgradient well, GW-4D (614 mg/l). The "short-term" MCL (1500 mg/l) was exceeded at both downgradient wells, GW-4D (2,433 mg/l) and GW-6D (1,533 mg/l).

TABLE 5-9
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER CHARACTERISTICS
GAGE AQUIFER

| COMPOUNDS | UPGRADIENT FROM LANDFILL | | | | DOWNGRADIENT FROM LANDFILL | | | | | | | |
|---------------------------------------|-----------------------------|--------|--------|---------|-------------------------------|--------|--------|---------|---------|--------|--------|---------|
| | GW-7D | | | | GW-4D | | | | GW-6D | | | |
| | 1/29/91 | 5/7/91 | 8/6/91 | 8/25/92 | 1/30/91 | 5/8/91 | 8/6/91 | 8/25/92 | 1/28/91 | 5/9/91 | 8/6/91 | 8/25/92 |
| GENERAL CHEMISTRY (mg/l) | | | | | | | | | | | | |
| Bicarbonate as CaCO ₃ | 158 | 160 | 157 | 166 | 177 | 173 | 177 | 186 | 237 | 586 | 294 | 250 |
| Total Alkalinity as CaCO ₃ | 158 | 160 | 157 | 166 | 177 | 173 | 177 | 186 | 237 | 586 | 294 | 250 |
| Cation/Anion Balance | 1.06 | 0.93 | 1.01 | 1.01 | 0.98 | 1.05 | 0.89 | 0.96 | 1.09 | 0.95 | 1.01 | 0.99 |
| Chloride | 60 | 55 | 90 | 60 | 683 | 650 | 680 | 690 | 120 | 245 | 280 | 115 |
| Chemical Oxygen Demand | 5 | 17.0 | 5 | 9 | 21 | 45.2 | 53 | 79 | 17 | 149 | 33 | 55 |
| Electrical Conductivity | 658 | 685 | 677 | 636 | 3210 | 3750 | 3040 | 3300 | 1990 | 2470 | 1980 | 2040 |
| Nitrate (as Nitrogen) | | | | 0.05 | | | | 0.11 | | | | 0.06 |
| pH | 7.83 | 7.72 | 7.73 | 7.04 | 7.47 | 7.29 | 7.49 | 6.71 | 7.6 | 6.82 | 7.13 | 7.17 |
| Sulfate | 79.0 | 111 | 10.7 | 70.8 | 623 | 535 | 590 | 708 | 618 | 429 | 370 | 806 |
| Total Dissolved Solids | 350 | 382 | 370 | 372 | 2340 | 2330 | 2710 | 2350 | 1440 | 1540 | 1560 | 1590 |
| Calcium | 57.4 | 57.4 | 50.4 | 59.1 | 420 | 417 | 360 | 443 | 264 | 190 | 212 | 290 |
| Total Hardness | 206 | 206 | 186 | 211 | 1490 | 1480 | 1320 | 1550 | 933 | 919 | 859 | 1020 |
| Oil and Grease | 0.05 | NA | NA | NA | 0.05 | NA | NA | NA | 0.21 | NA | NA | NA |
| Sodium | 60.6 | 54.7 | 49.4 | 51.9 | 115 | 112 | 104 | 114 | 93.4 | 173 | 98.6 | 98.1 |
| Potassium | 4.0 | 3.9 | 3.7 | 3.8 | 8.9 | 8.7 | 8.4 | 8.9 | 7.3 | 5.3 | 5.2 | 6.9 |
| METALS (mg/l) | | | | | | | | | | | | |
| Arsenic | 0.002 | NA | NA | NA | 0.011 | NA | NA | | 0.002 | NA | NA | NA |
| Barium | 0.02 | NA | NA | NA | 0.17 | NA | NA | | 0.05 | NA | NA | NA |
| Iron | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.03 | 0.02 | 0.24 | 0.01 | 0.01 | 0.01 | 0.01 |
| Nickel | 0.01 | NA | NA | NA | 0.01 | NA | NA | | 0.02 | NA | NA | NA |
| Magnesium | 15.2 | 15.2 | 14.7 | 15.3 | 108 | 107 | 103 | 108 | 66.4 | 108 | 80.1 | 71.4 |
| Manganese | 0.02 | 0.08 | 0.08 | 0.08 | 0.45 | 0.37 | 0.36 | 0.37 | 0.12 | 1.3 | 0.91 | 0.28 |
| Selenium | | | | 0.008 | | | | 0.002 | | | | 0.002 |
| Zinc | 0.01 | 0.01 | 0.05 | 0.05 | 0.01 | 0.01 | 0.05 | | 0.03 | 0.01 | 0.05 | |

BRYAN A. STIRPAT & ASSOCIATES

TABLE 5-10
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
GAGE AQUIFER

| COMPOUNDS | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | | STANDARD DEVIATION*** | | |
|---------------------------------------|---------------------|-------|-------|--------------------|----------------|----------------|-----------------------|-------|-------|-----------------------|-------|-------|
| | GW-7D Background | GW-4D | GW-6D | | | | GW-7D Background | GW-4D | GW-6D | GW-7D Background | GW-4D | GW-6D |
| GENERAL CHEMISTRY (mg/l) | | | | | | | | | | | | |
| Bicarbonate as CaCO ₃ | 4 | 4 | 4 | - | - | - | 160 | 178 | 342 | 4.03 | 5.50 | 165 |
| Total Alkalinity as CaCO ₃ | 4 | 4 | 4 | - | - | - | 160 | 178 | 342 | 4.03 | 5.50 | 165 |
| Cation/Anion Balance | 4 | 4 | 4 | - | - | - | 1.00 | 0.97 | 1.01 | 0.05 | 0.07 | 0.06 |
| Chloride | 4 | 4 | 4 | - | 600/500/250* | - | 66 | 676 | 190 | 16.01 | 17.67 | 85 |
| Chemical Oxygen Demand | 2 | 4 | 4 | 5 | - | - | 9 | 50 | 64 | 5.66 | 23.90 | 59 |
| Electrical Conductivity | 4 | 4 | 4 | - | 2200/1600/900* | - | 664 | 3325 | 2120 | 22 | 303 | 235 |
| Nitrate as Nitrogen | 0 | 1 | 1 | - | 45 | 10 | | | | | | |
| pH | 4 | 4 | 4 | - | - | - | 7.58 | 7.24 | 7.18 | 0.36 | 0.36 | 0.32 |
| Sulfate | 4 | 4 | 4 | - | 600/500/250* | - | 68 | 614 | 556 | 42 | 72 | 198 |
| Total Dissolved Solids | 4 | 4 | 4 | - | 1500/1000/500* | - | 369 | 2433 | 1533 | 13 | 185 | 65 |
| Calcium | 4 | 4 | 4 | - | - | - | 56 | 410 | 239 | 3.87 | 35 | 46 |
| Total Hardness | 4 | 4 | 4 | - | - | - | 202 | 1460 | 933 | 11 | 98 | 66 |
| Oil and Grease | 0 | 0 | 1 | 0.05 | - | - | 0.05 | 0.05 | 0.21 | NA | NA | NA |
| Sodium | 4 | 4 | 4 | - | - | - | 54 | 111 | 116 | 4.81 | 4.99 | 38 |
| Potassium | 4 | 4 | 4 | - | - | - | 3.85 | 8.73 | 6.18 | 0.13 | 0.24 | 1.08 |
| METALS (mg/l) | | | | | | | | | | | | |
| Arsenic | 0 | 1 | 0 | 0.002 | 0.05 | 0.05 | 0.002 | 0.011 | 0.002 | NA | NA | NA |
| Barium | 1 | 1 | 1 | - | 1 | 1 | 0.02 | 0.17 | 0.05 | NA | NA | NA |
| Iron | 1 | 3 | 2 | 0.01 | 0.3** | - | 0.01 | 0.075 | 0.01 | 0.01 | 0.11 | 0.00 |
| Nickel | 0 | 0 | 1 | 0.01 | - | - | 0.01 | 0.01 | 0.02 | NA | NA | NA |
| Magnesium | 4 | 4 | 4 | - | - | - | 15 | 106.5 | 81 | 0.27 | 2.38 | 19 |
| Manganese | 4 | 4 | 4 | - | 0.05** | - | 0.065 | 0.39 | 0.65 | 0.03 | 0.04 | 0.55 |
| Selenium | 1 | 0 | 0 | - | - | - | | | | | | |
| Zinc | 0 | 0 | 1 | 0.01 | 5** | - | 0.03 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 |

TABLE 5-10
GARDENA VALLEY 1 & 2 LANDFILL
GROUNDWATER STATISTICAL SUMMARY
GAGE AQUIFER

| COMPOUNDS | NUMBER DETECTED | | | DETECTION LIMIT | STATE MCL | FEDERAL MCL | MEAN CONCENTRATION*** | | | STANDARD DEVIATION*** | | |
|--------------------------------------|---------------------|-------|-------|--------------------|--------------|----------------|-----------------------|-------|-------|-----------------------|-------|-------|
| | GW-7D Background | GW-4D | GW-6D | | | | GW-7D Background | GW-4D | GW-6D | GW-7D Background | GW-4D | GW-6D |
| VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Methylene Chloride | 0 | 1 | 0 | 5 | - | - | 4 | 7 | 4 | 2.00 | 6.93 | 2.00 |
| Cis-1,2-Dichloroethene | 0 | 0 | 1 | 1 | - | - | 1 | 1 | 4 | 0.00 | 0.00 | 6.00 |
| 1,2-Dichloroethane | 0 | 0 | 1 | 1 | 0.5 | 5 | 1 | 1 | 2.00 | 0.00 | 0.00 | 2.00 |
| Benzene | 0 | 0 | 1 | 1 | 1 | 5 | 1 | 1 | 1.25 | 0.00 | 0.00 | 0.50 |
| Trichloroethene | 0 | 0 | 3 | 1 | 5 | 5 | 1 | 1 | 2.50 | 0.00 | 0.00 | 1.91 |
| Tetrachloroethene | 0 | 0 | 3 | 1 | 5 | - | 1 | 1 | 4 | 0.00 | 0.00 | 2.94 |
| Ethylbenzene | 0 | 0 | 1 | 1 | 680 | - | 1 | 1 | 1.25 | 0.00 | 0.00 | 0.50 |
| Xylenes (Total) | 0 | 0 | 1 | 1 | 1750 | - | 1 | 1 | 1.25 | 0.00 | 0.00 | 0.50 |
| 4-Methyl-2-Pentanone (MI) | 0 | 0 | 1 | 1 | - | - | 10 | 10 | 10 | 0.00 | 0.00 | 0.00 |
| Chlorobenzene | 0 | 1 | 0 | 1 | - | - | 1 | 1.25 | 1 | 0.00 | 0.50 | 0.00 |
| SEMI-VOLATILE ORGANICS (ug/l) | | | | | | | | | | | | |
| Isophorone | 0 | 0 | 2 | 10 | - | - | 10 | 10 | 20.75 | 0.00 | 0.00 | 17.73 |

(GV-GW:D-SUM:04-20-93)

NOTES:

- * - Short Term/Upper/Recommended Maximum Contaminant Levels.
- ** - Indicates State Secondary Drinking Water Standard. All other State MCLs listed are Primary Standards.
- *** - Detection limit values were used for undetected compounds in the calculation of mean concentrations and standard deviations.

Metals analyses detected low concentrations of eight metals in groundwater samples collected from the Gage Aquifer wells. Five metals were detected at least once in upgradient well GW-7C and downgradient well GW-4D. Six metals were detected at least once in downgradient well GW-6D. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in upgradient monitoring well GW-7D (0.065 mg/l) and in both downgradient wells, GW-4D (0.39 mg/l) and GW-6D (0.65 mg/l).

No semi-volatile organic compounds were detected in samples collected from upgradient monitoring well GW-7C, or downgradient monitoring well GW-4D. However, isophorone was detected twice (05/09/91 - 47 ug/l; 08/06/91 - 16 ug/l) in samples collected from downgradient monitoring well GW-6D. Isophorone was not detected in the most recent sampling round conducted on August 25, 1992. Therefore, it appears as though the original detected spike of this compound has declined to below detectable concentrations. No established state or federal drinking water standards currently exist for this compound.

No volatile organic compounds were detected during analyses of the samples collected from upgradient monitoring well GW-7A. Methylene chloride and chlorobenzene were both detected once in samples collected from downgradient monitoring well GW-4D (05/08/91 - 17 ug/l; 08/06/91 - 2 ug/l, respectively). Eight volatile organic compounds, cis-1,2-dichloroethene (13 ug/l), 1,2-dichloroethene (5 ug/l), benzene (2 ug/l), trichloroethene (TCE) (5 ug/l), tetrachloroethene (PCE) (6 ug/l), ethylbenzene (2 ug/l), xylenes (2 ug/l), 4-methyl-2-pentanone (10 ug/l) were detected in downgradient well GW-6D for the first time, during the May 1991 sampling event. With the exception of TCE and PCE none of these compounds have been detected in any of the monitoring wells since that sampling event. Due to this isolated spike of volatile organics concentrations the mean concentration of benzene for GW-6A exceeded the state MCL (1.0 ug/l). Mean concentrations of 1,2-dichloroethane exceeded the state MCL (0.5 ug/l) in all of the wells due to the fact that the MCL is below the method detection limit (MDL) for the laboratory analyses (1.0 ug/l).

5.3 CONCLUSIONS

5.3.1 SHALLOW BELLFLOWER ZONE

The only ARARs for inorganic compounds exceeded by samples collected in the shallow monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, and manganese (secondary MCL). Although five volatile organic compounds were detected in downgradient well GW-6A only 1,2-dichloroethane, which was detected twice, exceeded an established ARAR (state primary MCL). No volatile organic compounds were detected in samples collected from downgradient wells GW-10A and GW-13A. A single volatile organic compound, tetrachloroethene was detected, at the laboratory detection limit, in three of the four samples collected from upgradient well GW-7A. Based on these results, the fact that the Bellflower zone is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill is impacting the groundwater quality of the shallow bellflower zone. However, the impact is not considered to be significant.

5.3.2 INTERMEDIATE BELLFLOWER ZONE

The only ARARs exceeded by samples collected in the intermediate Bellflower zone monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, and manganese (secondary MCL). Two volatile organic compounds were detected in downgradient well GW-6B during the May 1991 sampling event. These were detected at low concentration levels, and were not in exceedance of any established ARARs. Based on these results, the fact that the Bellflower zone is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill may be impacting the intermediate bellflower zone. However, the impact is not considered to be significant.

5.3.3 DEEP BELLFLOWER ZONE

The only ARARs exceeded by samples collected in the deep Bellflower zone monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, and manganese (secondary MCL). Carbon disulfide was detected twice in upgradient well GW-7C. The most recent sampling round showed no detectable concentration levels of carbon disulfide. There are no established state or federal MCLs for this compound. Based on these results, the fact that the Bellflower zone is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill is not impacting the water quality of the deep bellflower zone.

5.3.4 GAGE AQUIFER

The only ARARs exceeded by samples collected in the Gage Aquifer monitoring wells were state drinking water standards for chloride, electrical conductivity, sulfate, TDS, manganese (secondary MCL), 1,2 dichloroethane, and benzene. The final two compounds listed were detected only in downgradient monitoring well GW-6D during the May, 1991 sampling event along with several other volatile organic compounds which have not been detected since. Based on these results, the fact that the Gage Aquifer is not pumped for municipal use, and the hydrogeologic interpretation described in Section 4.0, it appears that the landfill may be impacting water quality in the Gage Aquifer, however, this impact is not considered significant. In addition, the impact to the Gage Aquifer may have resulted from the construction of wells GW-1, GW-2, and GW-3 at the Gardena Valley 1 & 2 site, which potentially created vertical conduits for migration of contaminants into the Gage. However, with the DTSC supervised abandonment of these three wells (Section 3.10) this potential pathway has been eliminated.

Gardena Valley 1 & 2 Landfill
Groundwater

- 6/07/93 BAS to DTSC, Re: Corrected Summary Tables for the Draft Groundwater Remedial Investigation Report for a Portion of the Gardena Valley 1 & 2 Landfill.
- 5/14/92 Watkins-Johnson Environmental to Department, Re: Submittal of Soil Boring Logs and well Construction Summaries for Wells GW-10A, GW-11A, GW-12A, and GW-13A at Gardena Valley 1 & 2 Landfill.
- 5/01/92 BAS to Department, Re: Response to Comments made on the Shallow Groundwater Interpretation for the Gardena Valley 1 & 2 Landfill.
- 4/17/92 Department resends to BAS, Re: Official transmittal of comments on the Shallow Groundwater Flow Letter Report, dated February 18, 1992. This time thirty days (instead of 14 days) are given to respond.
- 4/09/92 Department to BAS, Re: Official transmittal of comments on the Shallow Groundwater Flow Letter Report, dated February 18, 1992.
- 3/27/92 Memorandum: Kim Christmann to Karen Baker, Re: Review of Gardena Valley 1 & 2 Landfill Shallow Groundwater Flow Interpretation , submitted by BAS, dated 2/18/92. Tentatively recommend that all the wells on the west side of the site be monitored for groundwater chemistry as part of the groundwater redial investigation. This includes wells GW-10A, GW-13A, GW-11A, and GW-6A. GW-7A should be used as the background well.
- 2/18/92 BAS to Department, Re: Gardena Valley 1 & 2 Landfill Shallow Groundwater Flow Interpretation. The predominant interpreted direction of groundwater flow is generally to the west and southwest.
- 11/15/91 Department to London Pacific Investment, Inc., Re: Groundwater Remedial Investigation. Dept. response to request made in letter dated October 21, 1991.
- 11/11/91 BAS to Department, Re: Investigation of the Torrance Boulevard Sewer Line. The conclusion is that the sewer line is not contributing to the groundwater mound identified in the Bellflower aquifer.

Gardena Valley 1 & 2 Landfill Groundwater

- 10/28/91 BAS to Department, Re: Proposal for Completion of the Groundwater Operable Unit at the Gardena Valley 1 & 2 Landfill. Three tasks are discussed:
- Task 1: Perform an investigation of the sewer line running below the center of Torrance Boulevard
 - Task 2: Remaining field work to characterize the shallow groundwater zone and groundwater sampling
 - Task 3: Preparation of the remedial investigation report
- 10/21/91 London Pacific Investments, Inc. to Department, Re: Installation of wells 12A and 13A. Continue investigation of the "alleged" sewer leak.
- 10/21/91 Department to BAS, Re: Placement of Groundwater Wells 12A and 13A. BAS proposed to delay placement of wells due to suspected leaks for sewer pipes creating a groundwater mounds. Department wants the wells installed.
- 9/06/91 BAS to Department, submittal of one copy of the Revised Project Schedule for the Groundwater Operable Unit and one copy of the Caltrans Permit Application of well GW-13A.
- 9/04/91 Memorandum: Kim Christmann to Karen Baker, Re: Review and comments to letter "Continuation of Gardena Valley 1 & 2 Landfill Groundwater Investigation"
- 8/29/91 BAS to Department, Re: Gardena Valley 1 & 2 Landfill Groundwater Operable Unit, Revised Project Schedule.
- 8/29/91 BAS to Department, Re: Gardena Valley 1 & 2 Landfill Groundwater Chemistry Data. Six tables were submitted:
1. Groundwater sampling results, shallow Bellflower; march 1990 thru August, 1990.
 2. Groundwater sampling results, intermediate Bellflower; march 1990 thru August 1990.
 3. Groundwater sampling results, base of Bellflower; March 1990 thru August 1990.

Gardena Valley 1 & 2 Landfill
Groundwater

4. Groundwater sampling results; January, 1991.
5. Groundwater sampling results; May, 1991.
6. Groundwater sampling results; August, 1991.

8/05/91 BAS to Department, Re: Continuation of the Gardena Valley 1 & 2 Groundwater Investigation.

2/04/91 BAS to Department, Re: Response to DHS letter dated January 16, 1991.

1/16/91 Department to Bryan A. Stirrat, BAS, Re: Letter Report for Groundwater Operable Unit Field Work, dated 1/4/91.

1/14/91 Memorandum: Kim Christmann to Karen Baker, Re: Review of the "Letter Report for Groundwater Operable Unit Field Work", dated January 4, 1991

1/14/91 BAS submits to Department one revised Figure 2, dated December 5, 1990, showing the Ground Water Contours for the Upper Bellflower Zone.

1/04/91 BAS to Department, Re: Letter Report for Groundwater Operable Unit Field Work. The report describes the results of the Gage Aquifer groundwater elevation survey and a confirmatory Upper Bellflower groundwater elevation survey.



California Department of Health Services
Toxic Substances Control Program
GARDENA VALLEY 1&2 LANDFILL
Site Soil/Groundwater Investigation

Fact Sheet No. 1
January, 1990

INTRODUCTION

The California Department of Health Services (DHS) is supervising London Pacific Investment's (LPI) investigation of hazardous waste contamination at a portion of the former Gardena Valley 1&2 Landfill located between Main Street, Torrance Boulevard, Figueroa Street, and the Torrance Lateral Drainage Channel in the City of Carson (Figure 1). The Gardena Valley 1&2 Landfill is listed in the State Expenditure Plan. The objective of the plan is to provide the Legislature, other interested parties, and agencies, as well as the general public, with a complete and accurate description of DHS's plans for statewide hazardous-waste-site cleanup based on the most current available information.

The total Gardena Valley 1&2 Landfill site occupied approximately 28.7 acres. The project site consists of only a portion of the total landfill and occupies approximately 15.25 acres. The project site is currently undeveloped. The current owner, LPI, purchased the project site after disposal operations had ceased.

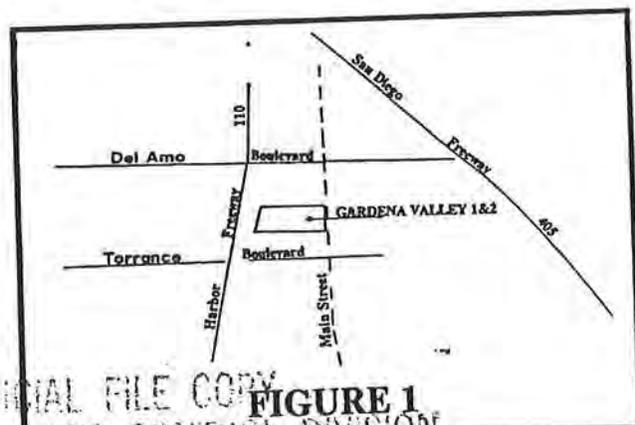
A Remedial Investigation (RI) is being performed to identify and characterize hazardous waste contamination possibly resulting from past land uses at the site. This Fact Sheet is the first of a series of Fact Sheets that will be prepared to keep you informed about site activities. It provides information on: 1) the history of activities conducted at the site; 2) the RI to be conducted at the site, and 3) a preliminary schedule of activities. Additional information may be obtained by reviewing the Remedial Investigation/Feasibility Study (RI/FS)

Workplan which has been prepared for the project site and approved by DHS. This Workplan may be reviewed at each of the Information Repositories, or by contacting DHS (see page 4 for more information). The Information Repository will also contain a copy of the Community Relations Plan (CRP) for the Gardena Valley site. The CRP describes DHS activities to keep the community informed and ensure adequate opportunity for public input into decisions concerning the site.

DHS is the lead regulatory agency responsible for overseeing the investigation of the Gardena Valley 1&2 Landfill site. LPI is providing the technical expertise and funding to conduct the site-specific activities. Together, DHS and LPI established a project schedule (Figure 2), which includes community relations activities, RI activities, and selection and implementation of possible cleanup remedies, if necessary. The site investigation is expected to begin in January of 1990.

SITE ACTIVITIES

The Gardena Valley 1&2 Landfill was authorized to operate as a Class II waste disposal



OFFICIAL FILE COPY
TOXIC SUBSTANCES CONTROL DIVISION
CENTRAL FILE UNIT
FIGURE 1

Memorandum

: Marcia Liao
Toxic Substances Control Program
245 West Broadway, Suite 350
Long Beach, CA 90802

Date: March 20, 1991

From : Toxic Substances Control Program
714/744 P Street
P.O. Box 942732
Sacramento, CA 94234-7320

Subject: Baseline Health Risk Assessment of Gardena 1 & 2 Landfill

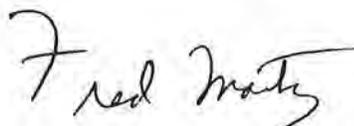
This communication concerns the "Baseline Health Risk Assessment," (HRA) which is Volume III, Appendix E of a series of documents associated with the "Draft, Remedial Investigation Report, For a Portion of the Gardena Valley 1 & 2 Landfill," dated December 26, 1990, prepared for London Pacific Investments, Inc., by Environmental Risk Sciences, Inc., in association with Bryan A. Stirrat and Associates, Inc., the overall consulting contractor. The Toxicology and Risk Assessment Section of the Technical Services Branch has completed its review of the HRA. A draft review was previously submitted to Region 4 by FAX on February 15, 1991. This communication finalizes that draft.

There are no major changes from the draft review FAXed to you on February 15, 1991. Overall, we find the HRA from Environmental Risk Sciences generally to be of high quality.

We are enclosing no comments regarding Volumes I, II, or IV of this series, inasmuch as these documents were expertly and professionally reviewed by other TSCP personnel (Caroline Rudolph, Kim Christmann, and Marcia Liao). Their critiques were noted separately in a letter from Julia Bussey to Bryan A. Stirrat Associates dated February 22, 1991.

Attachment 1 of this communication contains our review of the HRA. Attachment 2 provides a listing of deficiencies we found in the HRA. Note that these deficiencies, while addressable, in no way affect the overall quality of that document or its "bottom line."

Please call if there are questions surrounding our review of the HRA for Gardena 1 and 2 Landfill.



Fred Martz, Ph.D.
Diplomate, American Board of Toxicology
Staff Toxicologist

McCLINTOCK | WESTON
BENSHOOF | ROCHEFORT
RUBALCAVA | MACCUISH

ATTORNEYS AT LAW

November 23, 1992

VIA MESSENGER

Julia Bussey
Chief, Enforcement Lead Unit
California Environmental Protection Agency
Region IV Site Mitigation Branch
245 W. Broadway, Suite 350
Long Beach, California 90802-4444

Re: Gardena Valley 1 & 2 Landfill

Dear Julia:

We are acting on behalf of the United States Gypsum Company ("U.S. Gypsum") in submitting the following comments on the "draft" Remedial Action Plan ("RAP"), Wastefill Operable Unit, for a Portion of the Gardena Valley 1 & 2 Landfill (the "Landfill"). It is our understanding that the Department will review and consider our comments and, if appropriate, revise the draft RAP. U.S. Gypsum has been identified in the draft RAP as a Potentially Responsible Party ("PRP") and has received notice indicating the same from the Department of Toxic Substances Control ("DTSC"). We take exception to this designation as a PRP for the reasons given below, and respectfully request that the draft RAP be revised to not include U.S. Gypsum as a PRP.

I. No Evidence Exists That U.S. Gypsum Placed Any Wastes In The Gardena Valley Landfill And The Available Information Refutes That Possibility.

London Pacific Investments, Inc., as well as the DTSC, have failed to produce any evidence which indicates that U.S. Gypsum placed any wastes in the Gardena Valley Landfill. The Potential Responsible Party Report for Remedial Action Plan dated November 6, 1991, found in Appendix D of the draft RAP, indicates that the sole basis for implicating U.S. Gypsum is a letter dated

Julia Bussey
November 23, 1992
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November 7, 1957 from William R. Ward, an officer of the Berada Corporation, which operated the Landfill, to John Lambie, an engineer with the Los Angeles Department of County Engineers, Industrial Waste Division. This letter requests permission to accept "paint in drums, paint thinner in drums and mixed oil and water in drums" at the Landfill. The letter further states that the request is being made to accommodate the U.S. Gypsum Company and "one or two other industrial accounts who anticipate the occasional need for inclusion of these items with other rubbish being dumped in our facilities." (Emphasis supplied.)

The three types of wastestreams discussed in the November 7, 1957, letter are further described in subsequent correspondence. "Paint in drums" is referred to as "paint sludge" (see Minutes of Industrial Waste Committee Meeting for January 14, 1958, attached as Attachment A) or "[p]aint in drums from which the major portion of liquids have been removed" (hereafter "paint sludge") (see letter from John A. Lambie to The Berada Corporation dated August 7, 1958, attached as Attachment B). The "paint thinner in drums" is referred to as "rejected paint, containing small amounts of thinners . . . in a liquid state in 50 [sealed] barrel drums" (see Minutes of Industrial Waste Committee Meeting for January 14, 1958, attached as Attachment A). The "mixed oil and water in drums" is also subsequently referenced as "machine shop cutting oil" (see Minutes of Industrial Waste Committee Meeting for January 14, 1958, attached as Attachment A) or "cutting oil containing small amounts of hydrocarbon oils" (see letter from John A. Lambie to The Berada Corporation dated August 7, 1958, attached as Attachment B) or "waste paint . . . of a toxic nature due to the solvents in the paint" (hereafter "machine shop cutting oil") (see Memorandum dated August 29, 1958 from Lorenzo Quintana to Mr. Harold Symmonds, attached as Attachment C).

Apparently, the 50 barrel drums of "rejected paint" were never accepted at the landfill because of a concern by Mr. Eggett of the Regional Water Pollution Control Board #4 that "thinners and other ingredients in the paint, including lead oxide, could escape from the barrels." Minutes of Industrial Waste Committee Meeting for January 14, 1958, attached as Attachment A; Memorandum dated August 29, 1958 from Lorenzo Quintana to Mr. Harold Symmonds,

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attached as Attachment C.¹ Therefore, paint sludge and machine shop cutting oil are the only two wastestreams that could have been placed in the Gardena Landfill.

U.S. Gypsum has conducted a thorough search of its own internal files for any evidence that a wastestream like those described in the aforementioned November 7, 1957 letter existed at one of its plants in the Southern California area. U.S. Gypsum initiated its investigation by determining which company-owned facilities in the Southern California area were in operation from November 1956 to October 1959, the years the Landfill was receiving waste. Because construction or acquisition dates for all of the facilities, with the exception of two, are subsequent to 1959, only two facilities required further investigation: the Plaster City, California facility and the Southgate, California facility. U.S. Gypsum eliminated the Plaster City facility as a potential source of waste for the Landfill since Plaster City is located east of San Diego and east of the Vallecito Mountains, well outside the Los Angeles area. The remaining facility, Southgate, engaged in paint manufacturing from 1943 to 1965, and was located in the Los Angeles area.

Notwithstanding its paint manufacturing operations, absolutely no evidence exists which indicates that the Southgate facility produced a paint sludge or machine shop cutting oil wastestream. The Southgate facility included a paper mill, roofing mill, felt mill², and a paint mill. However, the only paint product manufactured during the time period 1956-1959 was a water-based exterior paint. U.S. Gypsum knows this to be true because the company keeps "product bulletins" for every product

¹ We speculate that either the paint sludge or the machine shop cutting oil or both were wastestreams of I.B.M. since this is clearly stated in the Memorandum dated August 29, 1958 from Lorenzo Quintana to Mr. Harold Symmonds. See Attachment C. It is also conceivable that Mr. Fisher of Berada Corporation, mistakenly drafted the letter dated November 7, 1957, to reflect an accommodation to "Gypsum" in requesting the acceptance of paint sludge at the Gardena Landfill when the request was actually an accommodation to "G.M." See Memorandum dated December 3, 1959 from Mr. H. W. Symmonds to Mr. A. G. Pickett, attached as Attachment D.

² A "felt mill" manufactures paper for roofing purposes.

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manufactured at its facilities. These bulletins can be used to determine when and what products were manufactured. Most importantly, these bulletins contain the constituents of the product. Confirmation that the only paint manufactured during the life of the Landfill was water-based was achieved by reviewing these bulletins.

U.S. Gypsum was also able to locate an employee who worked at the Southgate facility from 1956 to 1979.³ The employee, Tom Worrall, was a tester and supervisor in the paint mill from 1959 until the early 1960s. He informed us that he does not recall paint manufactured at the facility being earmarked for disposal and does not believe it occurred at any time between 1956 and 1959. He gave two reasons for this belief: (1) Off-specification paint was usually remixed rather than discarded and paint residues from the industrial mixers were washed out and discharged into the sanitary sewer system; and (2) Outdated paint was resold to Standard Brands of California which would reformulate the water-based paint according to new specifications for other paint products.

Mr. Worrall also indicated that U.S. Gypsum paint products were generally not manufactured for sale or stored in 55 gallon drums. The largest paint containers used were 5 gallon pails. Mr. Worrall advises that various process materials used in the manufacture of paint were sometimes acquired in 55 gallon drums. However, the used 55-gallon drums were sold to local drum reclaimers for reconditioning and sale to other parties. Mr. Worrall does not recall an occasion when paint would have been sent for disposal in drums of any type (or otherwise), as inferred in the letter dated November 7, 1957.

According to Jim Purvis⁴, the "resident paint expert" at U.S. Gypsum, even if paint had been disposed of by the U.S. Gypsum Southgate facility, it is doubtful that it would have been

³ For confirmation of Mr. Worrall's statements, please see the Declaration of Mr. Thomas B. Worrall attached as Attachment E.

⁴ Jim Purvis has worked for U.S. Gypsum in its paint division since 1954 and currently holds the position of Plant Manager at U.S. Gypsum's facility in Dallas, Texas.

considered "paint sludge."⁵ In order to be considered paint sludge, the initial paint must contain oils; it is the oils that creates the sludge-like residue.⁶ Water-based paints dry to a solid which cracks and is water soluble. Nor could Mr. Purvis identify any reason why the water-based paint (off-specification or otherwise) manufactured at the Southgate facility would have been disposed of at a landfill.⁷

Tom Worrall was also asked if he could think of any reason why a machine shop cutting oil wastestream would have been generated from the Southgate facility during its operation from 1956-1959. He indicated that the fact that the cutting oils were apparently disposed of in drums suggests that the quantities involved were much larger than the minimal amounts that conceivably could have been produced at the Southgate facility. Mr. Worrall does not recall any landfill disposal of cutting oils.

Consequently, there is no evidence that supports the claim that U.S. Gypsum disposed of any paint-related wastes or machine shop cutting oil at the Landfill and the available information suggests the opposite.

II. The Sole Reason Remedial Action Is Necessary At The Gardena Valley Landfill Is The Failure Of The Landfill Owner/Operator To Close The Site Properly -- The Solution Should Be Completion Of Closure By The Operator Or Its Successor, Not Application Of The Superfund Process.

The sole reason that any remedial action, including the completion of an adequate cap and construction of a gas collection system, is necessary at the Landfill is the failure of the owner/operator of that site to properly close it. See letter dated November 11, 1992 to Jane M. Feamster from Richard S. Dreessen, attached as Attachment F. The Landfill site never met final cover requirements for closure and was left with surface soil contaminated with metals, VOCs, PCBs, and DDT. Id.

⁵ Telephone call among Jane Feamster (McClintock, Weston), Virginia Yang (U.S. Gypsum) and Jim Purvis (U.S. Gypsum) on November 19, 1992.

⁶ Id.

⁷ Id.

The Landfill operated under an Industrial Waste Permit which delineated what wastestreams, including the paint wastes referred to in the November 7, 1957 letter, could be accepted at the site. See e.g., Attachment B; draft RAP at 1-2. Records for the Landfill indicate that it was operated by the Berada Corporation, Ward Disposal, and the Main Dump Corporation. See Attachment B; Industrial Waste Disposal Permit No. 1739, dated January 9, 1960 issued to Ward Disposal attached as Attachment G; letter dated February 13, 1958 to Pacific Employers Insurance Company from John A. Lambie, attached as Attachment H.

The "project site" consists of a portion of the Landfill occupying approximately 15 acres in the center. (hereinafter "project site"). See draft RAP at 1-1 through 1-2; California Environmental Protection Agency Department of Toxic Substances Control Gardena Valley 1 & 2 Landfill, Fact Sheet No. 2 (May 1992) attached as Attachment I. Proper closure of the Landfill, including the project site, should be the responsibility of the aforementioned operators or any successors who took with notice of the disposal of wastes, including hazardous wastes, on the property. Here, London Pacific Investments acquired the Landfill with at least constructive, if not actual notice, that paint wastes could be present. London Pacific Investments has already agreed to perform the remedy at the site and apparently has the financial wherewithal to do so. Draft RAP at 9-2.

The project site is not abandoned and is not one at which unauthorized disposals took place. See Draft RAP 1-2 through 1-3. It is therefore not an orphan site that will not be remediated unless brought into the State's Superfund program. There is no justification for involving other third parties in what is in essence completion of closure that should have occurred following cessation of landfill operations and the upgrading of the site to accommodate commercial development.

III. Regardless Of Whether The Project Site Is To Be Commercially Developed Or Not, The Presence Of Permitted Hazardous Wastes In The Landfill Does Not Require Any Closure Procedures In Addition To Those Required For A Typical Municipal Waste Landfill.

The mere presence of hazardous wastes, which were legally permitted to be accepted and disposed of at the Landfill, does not trigger the need for any closure procedures in addition to those required for the closure of a typical municipal waste landfill,

Julia Bussey

November 23, 1992

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notwithstanding proposed commercial development of the project site. See Attachment F. In other words, assuming no commercial development or subsequent land disturbance of the site, the final cover requirements for the Landfill would not differ from those required for a landfill which received municipal wastes only. Id. Furthermore, assuming commercial development, the cover requirements for the Landfill would not be more stringent based solely on the fact that the permitted hazardous wastes were received at the site. Id. The organic decomposition products of the permitted hazardous wastes and the organic decomposition products of common municipal wastes are quite similar in occurrence. Id.

Even the ambient air sampling performed at the Landfill indicates that a more elaborate cover than required at a municipal waste landfill is not necessary at the site. Twelve organic compounds were detected during air sampling. Draft Rap at 2-13. All twelve compounds are commonly detected at Class III municipal waste landfills. See Attachment F. In fact, Figure 2-5 of the draft RAP indicates that five of the twelve compounds detected are listed by the California Air Resources Board as being most prevalent at landfills which receive solid wastes only. Figure 2-5 also indicates that these five compounds have higher concentration ranges at non-hazardous waste sites. Commercial development is the sole reason for requiring a more elaborate cover, one that would have been required even if no hazardous wastes had ever been received.

Commercial development is also the sole reason for requiring a more elaborate landfill gas collection system. See Attachment F. The draft RAP specifies a combined horizontal and vertical gas collection system. The most common municipal waste landfill gas collection system required for closure, assuming no commercial development, is a vertical perimeter gas collection and monitoring system in combination with a landfill gas flare system. Id. The horizontal gas collection system proposed in the RAP is required because of the planned commercial development, and would have been required even if no hazardous wastes had ever been received. Id.

We would also point out that the draft RAP appears to manipulate the total potential lifetime cancer risk to an on-site trespasser to give a false impression that the contaminated surface soil at the project site has some critical effect on what closure measures are required. See Attachment F. First, the exposure

assumptions used for the on-site trespasser are unreasonable and as a result, the soil ingestion factor, as well as other factors, is inaccurately high. See Table 3-4 of the draft RAP. When all the factors (i.e., soil ingestion, dermal absorption, landfill gas inhalation, and fugitive dust inhalation) are added, the standard of significance is exceeded. *Id.* These inflated numbers cause arsenic to make up approximately 33 percent of the total lifetime cancer risk. *Id.* The total lifetime cancer risk assigned to arsenic in the surface soil (1×10^{-6}) is based upon the unreasonable on-site trespasser exposure scenario. See Attachment F. If the site had been properly closed, the total lifetime cancer risk for the on-site trespasser would have been far below the 3×10^{-6} level that was calculated, even using the overly conservative exposure scenario employed in the RAP. *Id.* The surface soil would have met the requirements of, and been used as, the foundation layer under any closure scenario. *Id.* Furthermore, it appears that, if the exposure assumptions had been reasonable, the potential lifetime cancer risk to an on-site trespasser would have been at an acceptable level, and not have exceeded the standard of significance.

IV. It Would Be Completely Inequitable For DTSC To Assist London Pacific Investments In Shifting Its Development Costs To Third Parties By Applying The Superfund Process And Its Liability Allocation Provisions To This Landfill.

Where developers seek to convert what is in essence a typical municipal landfill (at least in terms of closure procedures required to protect the public), into more valuable commercial property, it is inequitable to allow them to shift their development costs to third parties, who contracted and paid for the right to dispose on-site, by applying a law designed to deal with the problem of abandoned sites which pose a threat to the public without being developed. To allow such a shifting of costs gives the developer, who bought with notice at a reduced price reflecting the site's value as an improperly closed municipal landfill, a windfall which any generator named as a PRP would be entitled to offset through legal action against the developer. DTSC should not be duped into becoming a party to such a cost-shifting attempt by a developer that is seeking to convert less valuable property into property with a higher and better use.

Here, London Pacific Investments plans to convert a portion of the Gardena Valley Landfill into commercial property by funding the project with monies obtained from alleged PRPs under

Julia Bussey

November 23, 1992

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the guise of a remedial action plan. London Pacific Investments acquired the property in 1985, when Jules Walder, President of London Pacific Investments, purchased it from R.A. and Nadine I. Watt, Equitable Savings, and Ross P. and Jeannette McDaniel. Draft RAP at 1-3. The property had been considered for development since 1963. Id. Subsequent to London Pacific Investment's purchase, a partnership was formed between Mr. Watt and London Pacific Investments apparently in order to finance the remediation of the project site. Statement of Cathy Steffen, Vice President of London Pacific Investments, on September 24, 1992, at public hearing held at DTSC regarding project site. Mr. Watt is the limited partner and London Pacific Investments is the general partner. Id. The details of this partnership are unknown and London Pacific Investments has refused to produce the partnership agreement so that it may be reviewed. Telephone call on November 18, 1992 from Mr. Jon Leo of Heller, Ehrman (San Francisco, California), attorney for London Pacific Investments and Jane M. Feamster of McClintock, Weston (Los Angeles, California), attorney for U.S. Gypsum.

In the absence of other information, it must be assumed that London Pacific Investments was a sophisticated and knowledgeable investor which conducted a pre-purchased due diligence investigation and acquired the property with notice of the extent of past on-site disposal activities, as well as the fact that closure had not been properly completed. It must also be assumed that London Pacific Investments paid a price for the project site that is reflective of the property's value as a landfill that received hazardous waste and was improperly closed. London Pacific Investment's attempt to now obtain a windfall by getting third parties to pay its development costs is inequitable and a misapplication of the Superfund process and its purpose. As stated above, the project site is not an abandoned site or one at which unauthorized disposals took place. DTSC should reconsider its involvement with respect to this site and insist that those parties who failed to close or took with notice (i.e., the landfill owner/operators and successors in interest), assume responsibility for the costs of properly closing the landfill and upgrading the property to accommodate any discretionary on-site commercial development.

Julia Bussey
November 23, 1992
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V. **If It Is Assumed That Cost Recovery Against Generators As Proposed In The Draft RAP Is Proper, The State Should Bear A Major Share Of The Liability.**

If cost recovery against generators is proper in this case (we do not believe it is), then the State of California should bear a major share of the liability because it permitted disposal of the hazardous wastes in the Landfill that are causing it to be considered a State Superfund site. As in the case of the Stringfellow site near Riverside, the State must now bear a major share of the liability if the decision to allow disposal of paint wastes in the Landfill was incorrect and remedial action is now required.

We appreciate the opportunity to submit the foregoing comments on the draft RAP.

Very truly yours,

Jane M. Feamster

Jane M. Feamster
McCLINTOCK, WESTON, BENSHOOF,
ROCHFORD, RUBALCAVA & MacCUISH

JMF/eem

Enclosures

**FINAL DESIGN
REPORT**

for the

***GARDENA VALLEY 1 & 2
LANDFILL
CARSON, CALIFORNIA***

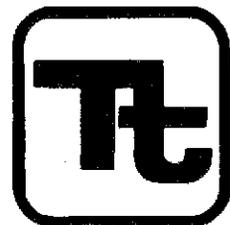
Task Order No. 4-467-1.0-400068-00

Prepared for:

**State of California
Environmental Protection Agency
Department of Toxic Substances Control**

Prepared by:

**Tetra Tech, Inc.
670 N. Rosemead Blvd.
Pasadena, CA 91107**



June 1999

DEPT OF TOXIC SUBSTANCES CONTROL
CYPRESS OFFICE

JUN 30 1999

**FINAL DESIGN REPORT
for the
GARDENA VALLEY 1 & 2 LANDFILL CAP DESIGN
CARSON, CALIFORNIA**

Prepared for:
**California Environmental Protection Agency
Department of Toxic Substances Control**

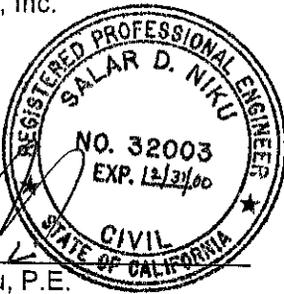
Prepared by:
Tetra Tech, Inc.
Christiana, Delaware
Pasadena, California

Contract No. 94-T1467
Task Order No. 4-467-1.0-400068-00
Tetra Tech Project No. TC R0185
June 29, 1999

Mike Kelly
Prepared by: Mike Kelly, P.E.
Tetra Tech, Inc.

6/29/99
Date

Salar Niku
Submitted by: Salar Niku, P.E.
Tetra Tech, Inc.



6/29/99
Date



DISCLAIMER

This Design Report is prepared for the sole use and benefit of the Department of Toxic Substances Control (Client) and for the specific Site known as the Gardena Valley Landfill 1 & 2 (Site), located in Carson, CA.

This Design Report was prepared based partially on information supplied to Tetra Tech from outside sources (including the Remedial Action Plan (RAP), prepared by others) and other information which is in the public domain, and partially on the information Tetra Tech obtained during the preparation of this report. Documentation for the statements made in the Design Report is on file at Tetra Tech's office. Tetra Tech makes no warranty as to the accuracy of statements made by others which are contained in this design report, nor are any other warranties or guarantees, expressed or implied, included or intended in the Design Report with respect to information supplied by outside sources or conclusions or recommendations substantially based on information supplied by outside sources. This Design Report been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Since the facts forming the basis for this Design Report are subject to professional interpretation, differing conclusions could be reached. Tetra Tech does not assume responsibility for the discovery and elimination of hazards which could possibly cause accidents, injuries, or damage unless those hazards were apparent, and should have been discovered, as a result of the services Tetra Tech performed for the Client. This Design Report represents the best professional judgement of Tetra Tech; however, compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of the Client's obligations under local, state, or federal laws, or any modifications or changes to such laws.

None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

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1.0 INTRODUCTION

This Final Design Report supports the 100% design drawings and specifications for the Gardena Valley 1 & 2 Landfill located in the City of Carson, hereinafter referred to as the "Site". This report has been prepared in response to Task Order No. 4-467-1.0-400068-00, contract No. 97-T1467 issued by the Department of Toxic Substances Control (DTSC) on December 22, 1997. The landfill cap and landfill gas control system provide for the proper closure of the Site which includes a 14.46-acre undeveloped section and a 3.14-acre parking lot.

1.1 SITE DESCRIPTION

The Gardena Valley 1 & 2 Landfill is located in the City of Carson, California. The project site is located on a portion of the former Gardena Valley 1 & 2 Landfill. The landfill occupied approximately 28.7 acres. The landfill operated as a Class II waste disposal facility under an Industrial Waste Discharge Permit issued by the Los Angeles County Department of Public Works (LADPW). The site reportedly operated between November 1956 and October 1959, and the landfill accepted approximately 440,000 cubic yards of waste using a cut and fill operation. Currently, there is a 14.46 acre undeveloped section of the landfill located between Main Street, Figueroa Street, the El Camino Plaza, and the Torrance Lateral to the Dominguez Flood Control Channel. The section north of the Torrance Lateral has been developed into a mini-storage facility. The southern portion of the landfill which is 3.14 acres, is currently being used as a paved parking lot for the El Camino Plaza and is immediately adjacent to the undeveloped area to the south. The undeveloped section of the landfill is identified as Assessor's Parcel No. 7336-3-30, being Parcel 4 of Map 5616, Book 62, Page 68 of the County of Los Angeles.

Surface drainage from the undeveloped section of the site collects in low-lying areas where water infiltrates through subsurface soils and buried fill material. Surface drainage from the paved area is currently collected at two storm sewer inlets. One inlet is located at the end of the parking lot bordering Main Street and the second inlet is in the parking lot bordering Figueroa Street.

1.2 PROJECT OBJECTIVES AND DESIGN CRITERIA

A Remedial Action Plan (RAP) was developed in June 1992 that provides the general design basis for the Site (Stirrat & Associates, 1992). Tetra Tech's remedial design objectives include:

1. Designing a landfill cap that minimizes infiltration into buried waste material with the necessary grading to control storm water runoff from the site. The landfill cap includes an asphalt layer that prevents erosion and allows for future redevelopment of the site for commercial activities.
2. Designing a landfill gas (LFG) extraction system with subsequent treatment by a LFG incineration system (flare) that destroys gas constituents to the required levels. Section 2.2 (Regulatory Requirements) summarizes the extent to which LFG should be treated. The LFG collection system must prevent off-site migration of landfill gases (particularly methane). The LFG management system is designed to operate for a thirty year post-closure period.

The following criteria were used to design the cover system for the site:

1. The analysis for drainage swales and culverts is based on a 24-hour 25-year storm event. Storm water flow from the site is assumed to discharge to the Torrance Lateral. Maximum side slopes at the landfill are 25% (4H:1V), and a 2 percent slope is provided for the top of the landfill. Concrete lined trapezoidal drainage channels are used to remove surface water from paved surfaces.
2. Infiltration through the landfill is modeled based on the cap consisting of five vertical percolation layers - the asphalt concrete pavement, crushed miscellaneous base, geocomposite drainage layer, geosynthetic clay liner (GCL), and random soil foundation layer. Precipitation data from LADPW for City of Carson were used to simulate rainfall on the landfill.

3. The landfill gas production rate is determined based on an average annual refuse acceptance rate of 1.76×10^8 lbs/year and refuse density of 1,200 lb/yd³. Landfill gas consistency and temperature are assumed to be uniform throughout the landfill. The properties of the trash in the landfill are assumed to be constant through out the site (uniform refuse consistency).
4. The maximum condensate volume is estimated based on a 55°F loss of temperature in the gas extraction system, and the landfill gas is assumed to be 100% saturated.

The RAP specifies that the cover system consist of the following elements: foundation layer (24-inch minimum); gas vent layer (3-inch layer and included as part of the foundation layer); low permeability layer (18-inch layer); crushed miscellaneous base layer (18-inch layer); and asphalt pavement layer (4-inch layer). Tetra Tech's design of the landfill cap includes:

- 24-inch foundation soil layer,
- Geosynthetic Clay Liner (GCL),
- geocomposite drainage layer,
- 18-inch crushed stone subbase, and
- 4-inch asphalt layer.

As part of the scope of work for the remedial design services, Tetra Tech evaluated and selected a Geosynthetic Clay Liner (GCL) as an alternative for the low permeability layer. Section 2.3 summarizes the differences between a GCL and a compacted clay layer (CCL) for use as the low permeability layer. To account for future settlement of the landfill, two settlement periods are proposed that will allow for primary settlement of the relocated landfill material. The first settlement period should take place after placement and compaction of the 24 inch foundation soil layer. The second settlement period should take place after the GCL, geocomposite drainage layer and 18 inch crushed stone base layer has been installed. Additional material will be added at the end of each settlement period to establish the required grades. The asphalt pavement layer is installed after the 3 month settlement period is complete. The geocomposite drainage layer was included into the landfill cap to remove any water infiltrating through

the stone base during the secondary settlement period. On a long-term basis, cracking of the asphalt can not be avoided, so the geocomposite drainage layer will continue to remove water infiltrating through the asphalt cover and protect the GCL.

2.0 CLOSURE PLAN

The design drawings for the closure of the Site are included as an attachment to this report. The Final design includes the following drawings:

- Title Sheet (Drawing C-1)
- Legend and Notes (Drawing C-2)
- Existing Site Conditions (Drawing C-3)
- Grading and Drainage Plan - Base of Cap (Drawing C-4)
- Grading and Drainage Plan - Top of Cap (Drawing C-5)
- Cut/Fill Plan (Drawing C-6)
- Cross Sections (Drawing C-7)
- Gas Extraction Well Plan (Drawing C-8)
- Process Flow Diagram (Drawing C-9)
- Gas Extraction System and Monitoring System Details (Drawing C-10)
- Geosynthetic Clay Liner Construction Details (Drawing C-11)
- Equipment Layout and Storage Tank Section (Drawing C-12)
- Architectural Plans and Elevations (Drawing A-1)
- Structural Plans and Details (Drawing S-1)
- Electrical Plan (Drawing E-1)

An aerial survey of the Site was completed by the Mollenhauer Group in May 1998. Drawing C-3 presents the current elevations at the site.

2.1 REGULATORY REQUIREMENTS

Title 14 of the California Code of Regulations (CCR), Section 1773 requires a final cover over existing fill material to comply with the minimum requirements of 23 CCR 2581(a), Chapter 15. The Chapter 15 minimum final cover requirements include:

- a minimum two feet of compacted foundation soil,
- a minimum of one foot of compacted low permeability soil ($k \leq 1 \times 10^{-6}$ centimeters per second (cm/sec), and
- a minimum of one foot vegetative cover soil.

The foundation layer serves as a base for the low-permeability layer. The foundation layer will support and protect the cover during and after the construction phase. As shown on Drawing C-4, the existing soils and fill material over the entire site will be regraded to establish a subbase for the landfill cap.

The low permeability layer minimizes infiltration and enhances landfill gas containment. The standards established in 23 CCR Section 2510 allow alternative designs provided that critical design requirements (e.g., minimal infiltration) are met. A description of alternatives to the 18-inch low permeability clay layer proposed in the RAP are included in Section 2.3.

A vegetative cover is typically used to protect the low-permeability layers from physical and environmental damage. For the site, post-closure plans include redeveloping the site for commercial use. Therefore, the vegetative cover is incompatible with the site's proposed end use plan. As alternative, an 18-inch crushed stone subbase and 4-inch asphalt layer were proposed in the RAP for the protective cover of the site. The asphalt cover promotes surface runoff from the cover and provides an erosion resistant cover that protects the underlying low permeability layer. During the post-closure period, maintenance of the asphalt cover may be required to address future settlement. Future settlement will be minimized by incorporating two settlement periods into the construction activities. Estimates of long term are included in Section 2.4

14 CCR 17776 and 23 CCR 2581 establish requirements for the final grading of the landfill. The final grades of the landfill should prevent ponding, accommodate anticipated future settlement, and reduce runoff velocities. Drawing C-5 shows the proposed final grades for the landfill. A 2 percent grade is provided across the top of the landfill. The grade of the entrance road from Figueroa Street varies from 3 to 5 percent. The entrance road from Main Street has an 8 percent grade. The side slopes for the landfill have a 25 percent grade (4H:1V).

14 CCR 17777 establishes requirements for evaluating final landfill slopes under static and dynamic conditions. All slopes steeper than a horizontal to vertical ratio of 3:1 must be supported by a slope stability analysis. A 15-foot wide bench is also required for every 50 feet of vertical height of the landfill. The proposed landfill slopes will have a maximum slope of 4:1, so a slope stability analysis will not be required. The maximum vertical height of the landfill is 20 feet, so benches will not be required.

14 CCR 17778 and 23 CCR 2546 establish requirements for storm water drainage systems. The grading for the conceptual design shall divert sheet runoff laterally to a drainage channel or collection system including:

- runoff control system designed and constructed in accordance with 23 CCR 2546,
- run-off controls designed to function as diversionary structures to intercept and convey water to collection facilities,
- energy dissipators designed to decrease the velocity of runoff,
- slope protection and erosion control measures, pursuant to 14 CCR 17779.

The South Coast Air Quality Management District (AQMD) has specific requirements applicable to the flare system. The AQMD requirements are:

- Non methane constituents should be destroyed to 99%.
- The minimum retention time in the flare should be 0.6 seconds at 1,500 °F.
- NOx emissions from the flare should be less than 0.06 lb/10⁶ BTU.

- A knock out vessel should be located before the flare for capturing particulate matter.
- The combustion system should include auto combustion of air contaminants and auto shutoff of the system.
- The flare should use BACT (Best Available Control Technology).

At this site, the SCAQMD requirements will be met by providing a network of vertical extraction wells which deliver gas to an on-site flare system. The flare will be designed to the SCAQMD requirements; however, the residence time in the flare system will be increased to one second. In addition, a set of monitoring probes will be installed outside the refuse boundary in order to monitor the presence of methane which might potentially migrate off-site. The monitoring probes will allow monitoring for landfill gases at discrete intervals.

The California Air Resources Board (CARB) delegates authority to the local air pollution districts with respect to LFG systems (California Code of Regulations (CCR) Title 14, Division 7). CCR also contains standards to which all systems must comply, including:

- Less than 25% LEL methane concentration allowable in structures (equivalent to 1.25% by volume in air, or 12,500 ppm).
- Less than 5% by volume methane concentration allowable at the property boundary (equivalent to the LEL, or 50,000 ppm).

Methane detectors will be installed within enclosed structures to comply with the regulatory requirements.

Federal-EPA Subtitle D and Clean Air Act (CAA) contain language with respect to LFG systems. According to the CAA, the owner/operator of a landfill is required to take necessary steps to protect human health by preventing exposure to unacceptable levels of methane. Exposure to methane can be prevented at the site by monitoring the subsurface and on-site structures.

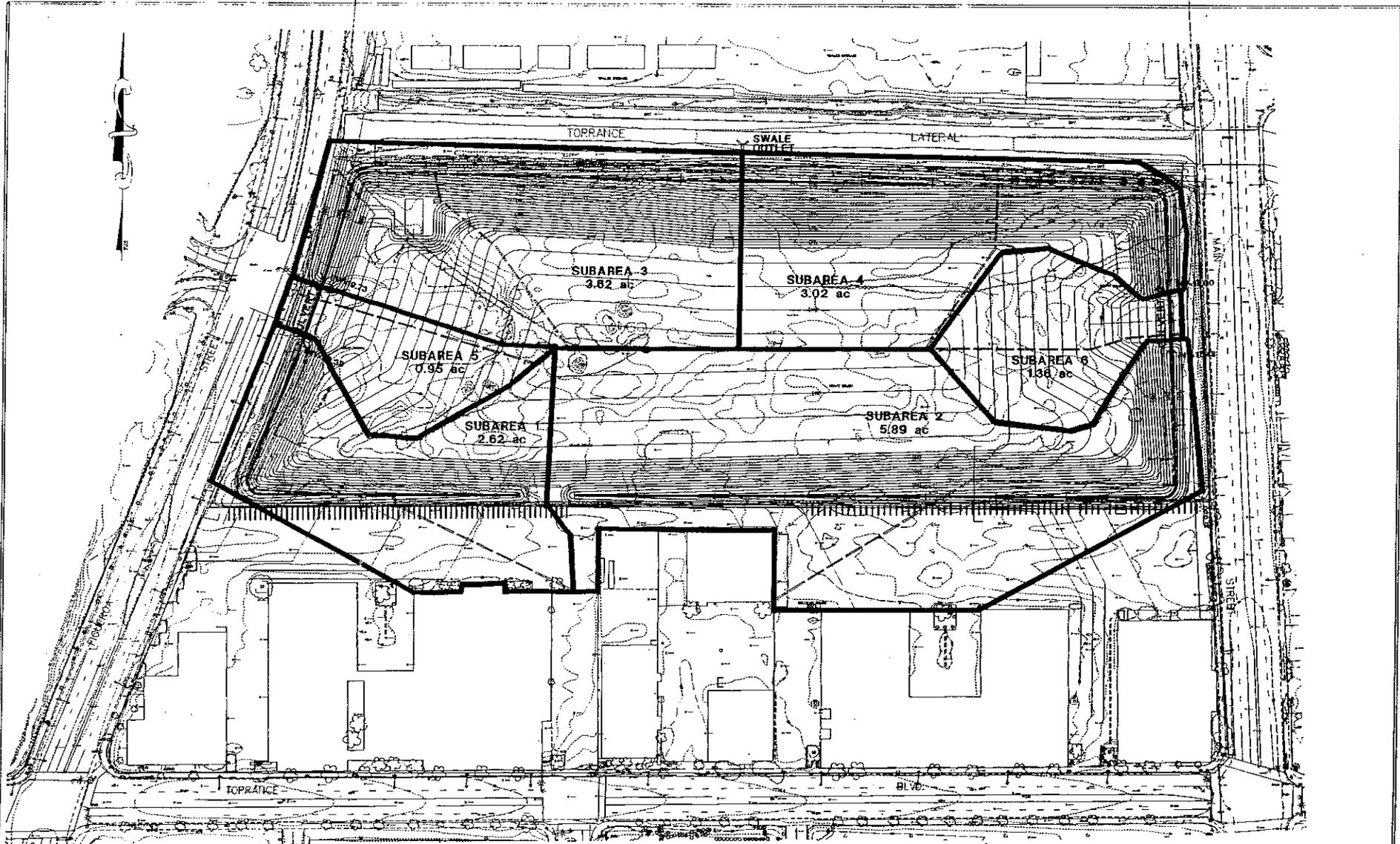
2.2 GRADING PLANS

The Contractor will be required to conduct the necessary earthwork to establish the subgrades for the base of the landfill cap as shown on Drawing C-4. The pavement and underlying soil/fill material from the 3.14 acre parking area will be excavated 46-inches to establish the base of the landfill cap. Drawing C-6 identifies additional areas of the landfill where cut and fill is required. Cut areas, where materials will be excavated to establish the base of the landfill cap, are represented by negative numbers indicating the depth of cut required. All excavated materials will be relocated to the fill areas of the site as indicated by the positive numbers on Drawing C-6. As shown on Drawing C-5, the final elevations of landfill cap will match the existing ground surface. During all earthwork activities, the Contractor will be required to implement sediment and erosion control methods and obtain any required grading permits as required by the Los Angeles County Code.

2.2.1 Drainage Analysis

Although the intended end use of the property includes commercial redevelopment, there are no current construction for the site. To avoid having surface water drain towards building that may be constructed at the site in the future, the crest of the landfill cover was placed in the center of the site. It was assumed that future building(s) would be constructed near the center of the site, so drainage was designed to flow towards the perimeter of the site.

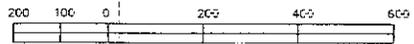
A series of concrete-lined trapezoidal drainage swales have been designed to remove water from the asphalt surface. Figure 1 shows the drainage channels and culverts proposed for the site. The channels have 4:1 (H:V) side slopes and a 3-foot wide base, and the two culverts allow surface water to pass under the entrance roads to the site. The Modified Rational Method was used to calculate peak flow rates from each drainage subarea. The rainfall data for Zone "K" (25-year storm) were used in the Intensity-Duration-Frequency (I-D-F) curve, and subsequent calculation of rainfall intensities. The drainage swales and culverts will handle the peak flows associated with the design storm. The proposed drainage area is divided into 6 drainage subareas (Subareas 1,2,3,4,5,6). Swale 1 starts at a highpoint along the southern



LEGEND

- TIME of CONCENTRATION (Tc) PATH
- DRAINAGE SUBAREA LIMITS

NOTE:
SEE DRAWING 4 FOR GRADING PLAN



GRAPHIC SCALE IN FEET



TETRA TECH, INC.

**FIGURE 1
DRAINAGE AREA DELINEATION
GARDENA VALLEY LANDFILL
LOS ANGELES COUNTY
CALIFORNIA**



boundary of the undeveloped section and conveys flow west and then north towards the site entrance along Figueroa Street. Swale 1 collects flow from a 2.62 area shown on Figure 1. Swale 2 also starts along the southern boundary of the undeveloped section and conveys flow east and then north towards the entrance road along Main Street. Swale 2 collects flow from Subarea 2 which is approximately 5.89 acres.

Swale 3 collects flows from Subarea 3 and Subarea 1, while Swale 4 collects flows from Subarea 4 and Subarea 2. Subareas 5 and 6 drain offsite as sheet flow to Figueroa Street and Main Street, respectively. Future submittals will evaluate the use of trench drains at each entrance to collect flows from Subareas 5 and 6. All Hydrologic computations were performed using the Modified Rational Method via Haestad Methods software. Table 1 provides the flow data estimated from the 25-year storm. An 18-inch culvert will be required under the entrance road for Figueroa Street and a 24-inch culvert will be required under the entrance from Main Street. Storm water from the Swales 3 and 4 will discharge to the Torrance Lateral through a 48-inch pipe. A permit from the Los Angeles County Department of Public Works will be required before connecting to the Torrance Lateral. Table 2 provides a summary of the pipe sizing calculations.

TABLE 1
PEAK STORM WATER FLOWS
GARDENA VALLEY 1 & 2 LANDFILLS

| Drainage Area | Conveyance Description | Size acres | Runoff C | Time of Conc. Tc (min) | Peak Intensity K-Zone (in/hr) | Peak cfs |
|---------------|------------------------|------------|----------|------------------------|-------------------------------|----------|
| Subarea 1 | Swale 1 | 2.62 | 0.95 | 9.40 | 2.918 | 7.26 |
| Subarea 2 | Swale 2 | 5.89 | 0.95 | 10.40 | 2.750 | 15.39 |
| Subarea 3 | Swale 3 | 3.62 | 0.95 | 8.30 | 3.130 | 10.76 |
| Subarea 4 | Swale 4 | 3.02 | 0.95 | 7.20 | 3.398 | 9.75 |
| Subarea 5 | Sheet Flow | 0.95 | 0.95 | 6.00 | 3.800 | 3.43 |
| Subarea 6 | Sheet Flow | 1.36 | 0.95 | 5.50 | 4.035 | 5.21 |

TABLE 2
PIPE SIZING CALCULATIONS

| Pipe Description | Slope ft/ft | Manning's | Discharge cfs | Required ft | Design Diam. in |
|------------------|-------------|-----------|---------------|-------------|-----------------|
| Culvert 1 | 0.006 | 0.013 | 7.26 | 1.44' | 18" rcp |
| Culvert 2 | 0.006 | 0.013 | 15.39 | 1.90' | 24" rcp |
| Swale Outlet | 0.005 | 0.013 | 43.16 | 2.80' | 48" rcp |

Appendix A presents additional backup to the drainage analysis for site runoff. Currently, run-on flow is diverted away from the landfill and collected in the existing storm water collection system.

2.2.2 Infiltration Analysis

The U.S. EPA's Hydrologic Evaluation of Landfill Performance (HELP; version 3.05a) model was used to estimate water percolation through the landfill cover system. The key points to the HELP simulations include:

- Five layers have been modeled for the landfill cap, they are - the asphalt concrete pavement, crushed miscellaneous base layer, the geotextile fabric (drainage layer), the geosynthetic clay layer, and the foundation layer.
- The five layers were described by four soil default characteristics of the HELP model as follows:
 - The asphalt concrete pavement was conservatively described by HELP's soil texture 23 (saturated hydraulic conductivity of 9.0×10^{-6}).
 - The crushed miscellaneous base was described by HELP's soil texture 3 (saturated hydraulic conductivity of 3.1×10^{-3}).
 - Geocomposite Drainage Layer is described by HELP's material texture 20 (saturated hydraulic conductivity of 10 cm/sec).
 - Geosynthetic Clay Liner is described by HELP's soil texture 17 (saturated hydraulic conductivity of 1.9×10^{-6}).

- Random soil foundation layer was described by HELP's soil texture 4 (saturated hydraulic conductivity of 1.7×10^{-3}).
- All layers except the geocomposite drainage layer have been described in the model as vertical percolation layers.
- The final grading slope of 2% was input into the model.
- The evapo-transpirative zone depth in the model was set to 16 inches.
- Since the topmost layer (asphalt concrete layer) will be bare, therefore the maximum leaf area index (LAI) for the model was set to zero.
- The initial soil moisture content of the layers were not specified and near steady state values were directly used by the HELP model.
- The HELP model was used to simulate one set of precipitation data. The data were obtained for years 1992 to 1998 from the LADPW Hydraulic/Water Conservation Division for the City of Carson.
- Temperature and solar radiation were synthetically generated using coefficients for the Los Angeles area.

The HELP model simulations demonstrate that the maximum infiltration into the landfill is less than five percent of the total precipitation. The HELP Model results are presented in Appendix B.

2.3 GEOSYNTHETIC CLAY LINER

The standards established in 23 CCR Section 2510 allow alternative cover systems for cases where there is an engineered alternative that is consistent with the performance goal and affords equivalent protection against water quality impairment. Tetra Tech evaluated the possibility of substituting a geosynthetic clay liner (GCL) for the compacted clay layer in the landfill cover system. GCLs are defined in ASTM D4439 as follows: "Geosynthetic clay liners are factory manufactured hydraulic barriers typically consisting of bentonite clay or other very low permeability material, supported by geotextiles and/or geomembranes, which are held together by needling, stitching, or chemical adhesives." The issue of

substituting a GCL for the more “traditional” clay layer depends on whether the GCL meets or exceeds the performance objectives of the landfill cover system.

Many studies and tests have been performed on GCLs, assessing the performance of a GCL for use in a landfill cover system, as well as assessing the equivalency to a clay cover system. A much referenced paper, Technical Equivalency Assessment of GCLs to Compacted Clay Layers (CCL) by R.M. Koerner and D.D. Daniel, contains a comprehensive comparison of GCLs to clay covers. The study focused on comparison of GCLs to clay covers with respect to hydraulic properties, physical/mechanical properties, and construction issues. Based on the above referenced assessment, as well as other studies reviewed in literature, and Tetra Tech’s experience, it is concluded that there are numerous advantages of GCLs over traditional clay covers. These include:

- GCLs are less permeable, and at least equivalent to a CCL with respect to the steady state flow of water;
- GCLs are considered superior to CCLs in regards to damage from differential settlement (GCLs withstand substantially greater angular distortions due to differential settlements without substantial increase in hydraulic conductivity);
- Low susceptibility to desiccation cracking;
- Better self healing characteristics in wet-dry conditions;
- Less use of landfill volume space;
- Easier and quicker construction methods for placement;
- Low dust generation during construction;
- Eliminates need for local clay borrow source; and
- Greater ease of good quality assurance during construction.

Another potential advantage of a GCL over a clay cover is cost. Depending on availability of clay and cost of clay, GCLs are typically less expensive than clay covers.

Disadvantages of GCLs include; greater vulnerability to damage from puncture, poor subgrade conditions, bearing capacity, and lateral squeezing and thinning of product. These disadvantages however are controlled by proper design and strong construction quality control/assurance procedures during installation and cover placement.

Another issue which will be required to be assessed includes the performance of a GCL or clay cover as a barrier to landfill gases. From literature, both GCLs and clay covers are not considered to be as effective as a gas barrier when compared to, for example, a geomembrane liner. The gas permeability of GCLs depend on the amount of moisture absorbed by the bentonite. A dry GCL (unhydrated) is considered to have a high permeability. Equivalency of a "hydrated" GCL to that of a clay cover has been suggested in literature. The hydration of the bentonite within the GCL can be forced to occur during construction if it is determined that gas permeability of the barrier layer is a critical issue.

In conclusion, the equivalency and/or superiority of a GCL to that of a clay layer for cover systems has been documented in literature. The use of a GCL at the site will decrease construction costs and may provide a better performing barrier in the landfill cover system.

2.4 SETTLEMENT ANALYSIS

Placement of the final landfill cover system at the site includes relocation of an appreciable amount of existing perimeter landfill cover soil material and refuse to the more central portions of the landfill. The weight of these materials as well as the weight of the proposed landfill cap will cause additional settlement at the site. Therefore, settlement considerations are warranted to assess their effects on the final cap system. Appendix C contains the backup calculations for the settlement analysis that follows.

2.4.1 Landfill Waste Settlement - Overview

The focus of this evaluation is on settlement of underlying existing refuse due to a surcharge load distribution caused by placement of relocated perimeter soil/refuse and installation of the cap system. In

addition, long-term settlement of the existing refuse was also considered. The mechanics of refuse settlement are complex and include the following mechanisms (Edil et al., 1990):

1. Mechanical compression due to the weight of the waste mass itself and the weight of loads over it;
2. Raveling (movement of fines into large voids);
3. Physical-chemical changes (corrosion, oxidation and combustion); and
4. Bio-chemical decomposition under aerobic and anaerobic processes. The magnitude and rate of settlement are affected by many factors such as initial waste fill conditions (i.e., density), waste composition, waste fill height, age, moisture content, stress history and decomposable material content.

Published literature indicates that settlement of a refuse layer can be evaluated using methods similar to those used in consolidation theory of fine-grained soils. This approach requires a separation of "primary" and "secondary" settlement. In general, a waste layer will initially undergo mechanical settlement due to its own weight as well as the weight of a new load (i.e., placement of additional overburden soils such as the relocated perimeter soil/refuse and cap system). This settlement is due to compression of the waste, rearrangement, and raveling of waste particles. This mechanical settlement is generally referred to as "primary" settlement and usually occurs rapidly, within months of placement of the waste, and/or application of overlying loads. In addition to the relatively rapid mechanical settlement, a waste layer will continue to settle over time as a result of time-dependent "secondary" settlement. This settlement is due to long-term physical-chemical reactions, creep, and biodegradation of the refuse. The rate of secondary settlements is long-term, continuing for many years after waste and fill placement. The amount of settlement, however, decreases with time as the waste degrades more, and if biodegradation is slowed due to a lack of oxygen. Similar to that of soil mechanics, secondary settlement is time-dependent and is usually considered to be independent of load.

2.4.2 Profile Model

In order to evaluate estimated settlements at the site resulting from relocation of perimeter soils/refuse and installation of the landfill cap, subsurface conditions were reviewed across the central portions of the landfill. Refuse thickness, existing overburden soil thickness and thickness of proposed fill areas were reviewed at locations SV-6, 7, 8 and 11 in order to determine the profile model used for settlement analysis. Settlement analysis performed herein are based on applicable existing landfill profile data, proposed grading plans, and assumed refuse mechanical properties reported in literature, and include the following assumptions:

- Existing underlying refuse thickness of 24 feet;
- Existing cover soil thickness of 6 feet; which will underlie;
- Maximum thickness of proposed fill (includes relocated perimeter soil/refuse and cap system) of 12.5 feet;
- Unit weights for the various components of the model used to estimate settlements are: 70 pcf for refuse material; 115 pcf for the existing overburden soils, and an average of 125 pcf for the proposed fill and cap material.
- The foundation soils underlying the existing refuse will realize negligible settlements resulting from the proposed fill/cover system placement; and
- Ground water levels are below the bottom of refuse elevations.

The above model was developed to estimate both primary and secondary settlements at the central portions of the landfill (areas of proposed final grades of 2%).

2.4.3 Primary Settlement Estimates, Discussion and Recommendations

As previously discussed, primary settlement is due to compression of the waste, rearrangement, and raveling of waste particles. The equation to estimate primary settlements for the model established herein is:

$$\Delta H_p = C_c' H \log (1 + \Delta p/p_o)$$

where: C_c' = modified compression index [$C_c/(1 + e_o)$]; H = initial height of waste; p_o = initial pressure at midpoint of waste layer; Δp = additional vertical stress applied to waste layer mid-point; and ΔH_p = primary waste settlement. The greatest unknown regarding the use of this equation is the modified compression index C_c' . Typical values for refuse for the parameter C_c' used in the above equation has been reported in literature to range from 0.1 to 0.4. This range of reported values is based on laboratory testing of Municipal Solid Waste (MSW) samples and empirical data based on field settlement observations. The value of C_c' is dependent on many factors such as the age of the landfill, how the landfill waste was compacted during placement, organic content of waste, and the amount of soil within the waste materials. Due to the many variables, it is difficult to predict/estimate primary settlement. Based on the model previously described, Tetra Tech estimated primary settlements for a range of C_c' values as follows:

| C_c' | Estimated Primary Settlement (in.) |
|--------|------------------------------------|
| 0.1 | 8.8 |
| 0.2 | 17.6 |
| 0.3 | 26.4 |
| 0.4 | 35.2 |

An estimated total primary settlement in the range of 1 to 3 feet should be anticipated due to placement of proposed fill depths. These settlements will begin as soon as fill placement begins and will continue for an estimated 3 to 6 months after completion of the cap system. An appreciable amount of the estimated total settlement most likely will be built-out during fill/cap placement activities.

Due to the highly heterogeneous nature of MSW material, the amount of any differential settlement at the site is difficult to estimate. However, excessive differential settlement should be anticipated. If not addressed, these settlements could cause:

- Excessive and detrimental angular distortions (differential settlement) below the GCL layer, potentially causing damage to the GCL and separation of the seams; and
- Excessive and detrimental differential settlement of the asphalt pavement layer, causing the pavement to crack and degrade.

The above estimated settlements are not uncommon when surcharging refuse, and can be reasonably addressed using practical engineering control measures. These control measures will be incorporated into the design in efforts to minimize differential settlement and their associated effects. These controls will consist of the following; 1) Proper placement and compaction of relocated perimeter soil/refuse; and 2) Implementation of two settlement periods during construction of the cap to allow much of the primary settlement to occur prior to placement of the GCL and asphalt pavement layers.

After initial site clearing and grubbing and prior to placement of relocated perimeter soils/refuse, the surface will be compacted within areas of the landfill to receive fill. The purpose of the compaction effort is to densify the near surface soils and refuse. All relocated perimeter soils and refuse will be placed evenly in two foot maximum loose lifts and compacted by several complete coverages of a large (minimum 40,000 pounds) landfill compactor. After reaching final base of cap grades, another compaction effort will be performed over the entire landfill surface.

Subsequent to placement of the 24 inch foundation layer of the cap and prior to placement of the GCL, a minimum four (4) month settlement period will be required to allow the majority of the primary settlements to dissipate. During the settlement period, intermediate grades will be monitored by surveying temporary settlement monuments. Installation of the GCL will commence only when settlement of the intermediate grades have stabilized. After this initial settlement period, and depending on the amount of settlement that has occurred, either additional foundation layer material can be placed to reestablish design grades, or final design grades may be lowered (to minimize the need for the additional fill material).

A second settlement period will be required after placement of the 18 inch crushed stone layer and prior to placement of the asphalt pavement layer. In the same manner as for the first settlement period, intermediate grades will be monitored by surveying temporary settlement monuments. Installation of the pavement layer will commence only when settlement of the intermediate grades have stabilized. Primary settlement during the second settlement period will most likely occur relatively quickly since the additional 18 inch surcharge is relatively small.

2.4.4 Secondary Settlement Estimates and Discussion

As previously discussed, secondary settlement is due to long-term physical-chemical reactions, creep, and predominately biodegradation of the refuse. The rate of secondary settlements is long-term, continuing for many years after waste and fill placement. The amount of settlement, however, decreases with time as the waste degrades more, and if biodegradation is slowed due to a lack of oxygen (i.e., a cap is placed over the landfill). The equation to estimate secondary settlements for the model established herein is:

$$\Delta h_s = C_\alpha' H_i \log (1 + t_2/t_1)$$

where: C_α' = modified secondary compression index [$C_\alpha/(1 + e_o)$]; H_i = height of refuse at t_1 ; t_2 = time period being analyzed since cap construction; and t_1 = time for primary compression, say 0.5 years. The greatest unknown regarding the use of this equation is the modified secondary compression index C_α' . Typical values for refuse for the parameter C_α' used in the above equation has been reported in literature to range from 0.01 to 0.1. This range of values is based on laboratory testing of MSW samples and empirically by field settlement data observations. Based on an assumed value of 0.05 for the parameter C_α' , and assuming a time period of 0.5 years for primary compression, Tetra Tech estimated secondary settlements at the center of the landfill area for a range of time periods after the cover system has been installed. The estimated secondary settlements are as follows:

| t_2 (years) | Estimated Secondary Settlement (ft.) |
|---------------|--------------------------------------|
| 10 yr. | 1.6' |
| 25 yr. | 2.1' |
| 50 yr. | 2.4' |

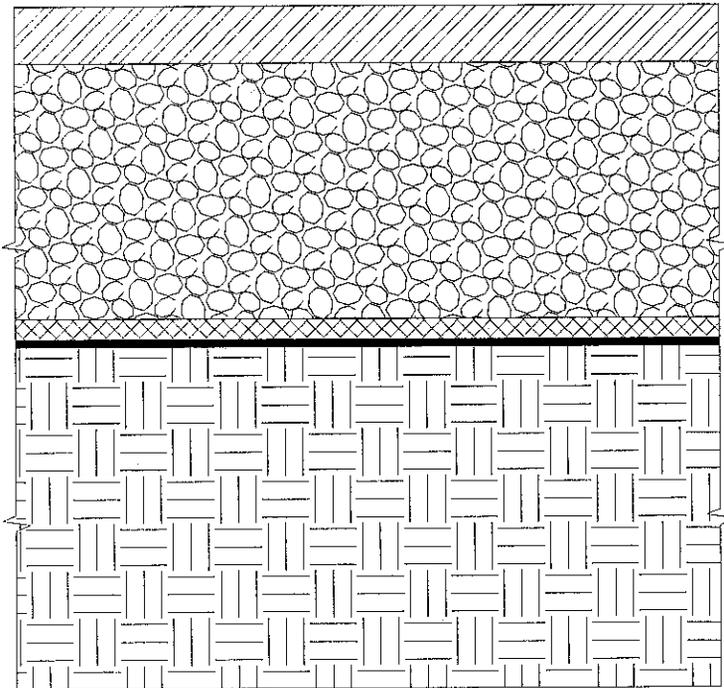
The above results indicate that long-term secondary settlement of the landfill will occur. Obviously, **long-term maintenance will most likely be required of the asphalt pavement due to differential secondary settlement.** It should be anticipated that with time the asphalt pavement layer will experience some degree of differential settlement and cracking.

The above results indicate that large scale (global) ponding of storm-water at the surface due to differential settlement should not be a major concern. The high point along the center of the landfill can settle as much as 3 feet before grade reversal occurs (2% x 150', midpoint of landfill width along 2% slope). Ponding of surface water may occur, however, due to unexpected severe localized differential settlement.

2.5 LANDFILL COVER

The final cover system consists of a 24 inch foundation fill layer, a low permeability GCL, a geocomposite drainage layer, an 18 inch layer of crushed stone base and a 4 inch asphalt layer. Figure 2 depicts a typical landfill cap cross-section to be installed at the site. Design calculations for the cap system were performed and are included in Appendix D of this report. The cap system will be constructed on maximum 25% slopes.

A static slope stability analysis was performed on the proposed cover system. Factors that influence stability of the cover system include its vertical and lateral slope dimension, the steepness of inclination, strength parameters of the soil comprising the cover system, and interface friction characteristics of the



4" ASPHALT PAVEMENT

18" CRUSHED STONE BASE

GEOCOMPOSITE DRAINAGE LAYER (DETAILS)
GEOSYNTHETIC CLAY LINER (GCL)

24" SOIL LAYER



TETRA TECH, INC.

ENGINEERS • ARCHITECTS • SCIENTISTS

FIGURE 2
LANDFILL CAP CROSS SECTION
GARDENA VALLEY LANDFILL
LOS ANGELES COUNTY, CALIFORNIA

cover system geosynthetics. Resistance to failure of a sliding mass can be provided by the toe of slope due to passive earth pressure (toe buttressing), interface friction along a potential sliding surface, and tensile forces taken-up by geosynthetics. The most critical slope (steepest and longest) and interface were evaluated. The longest 4:1 slope is approximately 95 feet, located at the central area of the north slope. The most critical surface is along the geocomposite drainage layer and GCL interface, where from past experience a residual interface friction angle value of 18 degrees was assumed. Based on the slope stability analysis, the sliding stability factor of safety (FS) calculated is approximately 1.45. The FS is defined as the ratio between the resisting forces and driving forces along the failure surface. Theoretically, when the FS is equal to 1.0, the slope is considered on the verge of failure. A FS of no less than 1.3 is considered adequate for long term static conditions using residual shear strength parameters. Appendix D includes the slope stability calculations for the cap system.

The Contractor will perform laboratory direct shear interface testing (ASTM D5321) along each of the proposed cap system interfaces to verify that interface friction angles are at a minimum of 18 degrees (based on residual shear stress values). A minimum residual friction angle of 18 degrees provides an adequate factor of safety against sliding failure. Laboratory testing using site-specific materials will be required of the Contractor. After approval of direct shear testing, the contractor will construct a small test strip to verify that placement of crushed stone base material will not damage the underlying geocomposite drainage layer.

A discussion of the various landfill cover system cap components as depicted in Figure 2 follows.

2.5.1 Foundation Fill Layer

The first layer to be placed over the regraded landfill material will consist of a 24 inch thick foundation fill layer. The soil in this layer will serve to provide subgrade support for construction of the remaining layers of the landfill cover system. The foundation layer also acts to separate the final cover system from potentially damaging waste materials. The soil material will consist of compacted common borrow material imported from off-site sources. The material will be a naturally occurring soil or soil aggregate

free from organic matter and other deleterious substances, shall be of such nature that it can be compacted readily under watering and rolling to form a firm and stable foundation layer, at least 95% passing a 1-1/2 inch Sieve, between 12% - 50% by weight passing a No. 200 Sieve (ASTM D422), and shall have a Plasticity Index (PI) of less than 22. To preclude potential damage to the overlying GCL, the upper 3 inches of the Foundation Fill Layer shall be free of sharp-edged rocks.

Compaction criteria for the Foundation Fill Layer will be as follows:

- First Lift: Compacted thickness of 12 inches, compacted to 90% of the maximum dry density in accordance with ASTM D698;
- Second Lift: Compacted thickness of 6 inches, compacted to 95% of the maximum dry density in accordance with ASTM D698;
- Third Lift: Compacted thickness of 6 inches, compacted to 95% of the maximum dry density in accordance with ASTM D698;

2.5.2 Low Permeability GCL Layer

As previously discussed, a GCL alternative was selected in lieu of the 18 inch low permeability clay layer discussed in the RAP. The equivalency and/or superiority of a GCL to that of a clay layer for cover systems has been well documented in literature. The use of a GCL at the site will decrease construction costs and provide a better performing barrier in the landfill cover system. The GCL selected for the low permeability layer consists of bentonite clay, supported on each side by a nonwoven geotextiles, needle punched together to provide high internal shear strength. Nonwoven geotextiles are to be used to maximize interface friction on both sides of the GCL. The selected GCL typically has a permeability of less than 10^{-9} cm/s.

2.5.3 Geocomposite Drainage Layer

A drainage layer made of geosynthetics will be used for draining infiltrated surface water captured above the low permeability GCL layer. The drainage layer is relatively low in cost and provides a back-up for draining infiltrating storm water in case the asphalt pavement surface is allowed to degrade (crack and/or break-up) over time due to differential settlement. In addition, the geocomposite provides an option to delay installation of the asphalt pavement until proposed settlement periods are completed and until site development details are known.

A high density polyethylene (HDPE) geonet core will be used for the geocomposite drainage media, sandwiched on both sides by a layer of nonwoven geotextile fabric. The upper geotextile provides separation with the overlying crushed stone base course, preventing fines of these overlying soils from clogging the geonet drainage channels. The HDPE geonet to nonwoven geotextile interface is not stable against sliding on the landfill's 25 percent slopes. Therefore, both the upper and lower geotextiles will be heat-bonded to the geonet forming a composite of geosynthetics (geocomposite), thereby eliminating potential slip surfaces. The purpose for the heat-bonded lower geotextile fabric of the geocomposite is again for stability against sliding at the geocomposite/GCL interface.

2.5.4 Crushed Stone Base Layer

This material will serve to distribute with depth the surface traffic loadings, as well as to serve to isolate the underlying cap layers and landfill material from the flexing effects created by traffic loads. The 18 inch stone base layer will conform to Section 26, Aggregate Bases, per the State of California Department of Transportation, Standard Specifications, July 1995.

To prevent damage of the underlying geosynthetics, a minimum thickness of one foot of crushed stone material shall be kept between the geocomposite and any machinery or equipment. A minimum 30-inches of the crushed stone material (i.e., temporary haul-paths) shall be kept between the geocomposite and any tandem haul trucks.

The Crushed Stone Base Layer shall be placed utilizing two lifts. Compaction criteria for the Crushed Stone Base for slopes greater than 25% will be as follows:

- First Lift: Compacted thickness of 12 inches, compacted with not less than 6 complete coverages using a D5C (Series III) equivalent dozer. To preclude over-stressing the underlying geosynthetics, large rollers shall not be used on this initial lift.
- Second Lift: Compacted thickness of 6 inches, compacted to 90% of the maximum dry density in accordance with ASTM D1557.

Compaction criteria for the Crushed Stone Base for slopes less than 25% will be as follows:

- First Lift: Compacted thickness of 12 inches, compacted to 90% of the maximum dry density in accordance with ASTM D1557.
- Second Lift: Compacted thickness of 6 inches, compacted to 90% of the maximum dry density in accordance with ASTM D1557.

The crushed stone base layer will be placed from bottom (toe) of slope and proceed to top of slope (crest).

2.5.5 Asphalt Pavement Layer

In accordance with the RAP, the final layer of the proposed cover will be a 4 inch Asphalt Pavement Layer. Since proposed final development of the Gardena site is unknown at this time, the actual extent of the asphalt layer is unknown. The Contract Drawings currently indicate that Asphalt Pavement Layer extends through the entire site. As final site development information becomes known, the drawings will need to be modified.

The asphalt pavement will be placed in two layers. A 2-½ inch working pavement course and a 1-½ inch finish pavement course. The asphalt layer is to provide a redundant barrier to the infiltration of surface water.

3.0 LANDFILL GAS MANAGEMENT SYSTEM

The landfill gas management system is designed to:

- Handle the maximum gas flow rate predicted for the landfill;
- Accommodate variability in gas generation, composition, and other operational parameters; and
- Meet all applicable regulatory criteria.

3.1 LANDFILL GAS PRODUCTION RATE

The landfill gas production rate is calculated based on the method given in 40 CFR Section 60.755. The LFG production rate was calculated based on an average annual refuse acceptance rate of 1.76×10^8 lbs/year (RAP, Stirrat & Associates, 1992b). The calculations are presented in Appendix E. Based on the calculations, the estimated LFG production rate is currently 36 CFM, and it will drop to about 10 CFM at the end of the 30 year post-closure period. The estimated percentage of methane in the LFG is approximately 48%. LFG also includes other constituents including: benzene toluene, ethylbenzene, xylene, dichloromethane, perchloroethylene (PCE), trichloroethane (TCA), trichloroethylene (TCE), vinyl chloride, and other halogenated organics. The combustion of vinyl chloride may produce other harmful chemical by-products such as hydrochloric acid (HCl). Table 3 estimates the maximum quantity of HCl produced due to the combustion of chlorinated organics. Based on this analysis, the HCl emissions are 0.0026 lb/hr or 23.24 lbs/yr. Based on discussions with SCAQMD, the Landfill Flare should use BACT (Best Available Control Technology), which includes:

- Non methane constituents (including carcinogenic compounds) should be destroyed to 99%.
- CH_4 as such is not regulated, but is a green house gas will be taken care of by the retention time in the flare.
- Retention time in the flare should be 0.6 seconds at 1500 F.
- NO_x emissions from the flare should be less than 0.06 lb/10⁶ BTU.

TABLE 3
ESTIMATED HCL PRODUCTION - GAS COMBUSTION
GARDENA VALLEY 1 2 LANDFILL

| Contaminant | Concentration (ug/m ³) | lb/hr | MW | lb-mol/hr | lb-mol/hr Cl |
|-----------------------------------|---------------------------------------|----------|-------|------------|------------------|
| Benzene | 3,000 | 0.000899 | 78 | 0.00001153 | 0.00 |
| Chlorobenzene | 770 | 0.000231 | 112.5 | 0.00000205 | 0.00000205 |
| 1,4-Dichlorobenzene | 7,300 | 0.002187 | 147 | 0.00001488 | 0.0000298 |
| 1,1-Dichloroethene (1,1-DCE) | 250 | 0.000075 | 97 | 0.00000077 | 0.0000015 |
| 1,1-Dichloroethane (1,1-DCA) | 240 | 0.000072 | 99 | 0.00000073 | 0.0000015 |
| 1,2-Dichloroethane (1,2-DCA) | 300 | 0.000090 | 99 | 0.00000091 | 0.0000018 |
| Ethylbenzene | 8,000 | 0.002397 | 106 | 0.00002262 | 0.00 |
| Methylene Chloride (DCM) | 1,100 | 0.000330 | 85 | 0.00000388 | 0.0000078 |
| Tetrachloroethene (PCE) | 850 | 0.000255 | 166 | 0.00000153 | 0.0000061 |
| Toluene | 48,000 | 0.014383 | 92 | 0.00015634 | 0.00 |
| 1,1,1-Trichloroethane (1,1,1-TCA) | 12 | 0.000004 | 133.5 | 0.00000003 | 0.0000001 |
| Trichloroethene (TCE) | 710 | 0.000213 | 131.5 | 0.00000162 | 0.0000049 |
| Vinyl Chloride | 3,600 | 0.001079 | 62.5 | 0.00001726 | 0.0000173 |
| Xylene, Total | 6,300 | 0.001888 | 106 | 0.00001781 | 0.00 |
| Total | | | | | 0.0000727 |

Note: The above chemicals were detected and identified in the landfill gas.
The concentrations are obtained from Table 3-2 of the Remedial Action Plan, July 1992.

Landfill Gas Flow Rate = 80 SCFM

Assuming that all the Cl- is produced as HCL, the number of pounds of HCL produced will be
 0.0000727×36.5 (MW of HCL) = 0.0026 lb/hr = 23.24 lb/yr.

Since the SCAQMD does not have a limit on the discharge of HCl to the atmosphere and the potential quantity of HCl produced is very small, therefore, a scrubber is not required for the Gardena site.

- A knock out vessel should be located before the flare for capturing particulate matter.
- The control system should include auto combustion of air contaminants and auto shutoff of the system.

Due to the low HCl emissions, a wet acid gas scrubber was not included in the design of the flare system. An impaction-type venturi scrubber was not considered necessary due to the knock out vessel which would remove particulate matter before the flare system.

3.2 LFG SYSTEM DESCRIPTION

The major LFG system components are the gas extraction network, condensate collection system, blower/flare (BF) station, and the subsurface monitoring probes. The extraction well network will consist of vertical wells, lateral pipes, and header pipes that aid in the removal of LFG. The condensate collection and disposal system will be designed to remove condensate from the LFG prior to the flow of LFG through the blower. The collected condensate will not be recirculated through the refuse and will be disposed on a regular basis. The BF station will house a blower and a flare. The blower will apply the required vacuum to the LFG extraction well network, and the flare will provide the necessary destruction. Gas monitoring probes will be located outside the landfill boundary to determine whether methane concentrations are potentially migrating offsite. The following sections describe each of the systems separately.

3.2.1 Extraction Well Network

The extraction well network will consist of 24 vertical wells. Since there is no test data available, a conservative radius of influence of 125 ft was assumed. The radius is based on published data (Bagchi, 1994) for shallow landfills with synthetic membrane barrier. Based on the 125 feet radius of influence, 24 extraction wells were placed in plan view in order to cover the entire site. Based on a total gas flow rate of 72 cfm from the entire landfill (with a safety factor of 2), the expected gas flow rate from an individual well will be $72/24$ or about 3 cubic feet per minute (cfm).

The vertical extraction wells will be constructed of 6-inch-diameter schedule 80 PVC pipes. The RAP originally proposed using a combination of horizontal and vertical LFG collection wells. Due to the size of the site and the estimated radius of influence for each vertical extraction well, the horizontal wells can be eliminated by adding four additional vertical wells toward the center of the site (i.e., along the Central Header).

The vertical extraction wells will be about 35 feet deep, and they will extend to approximately 80-85% of the refuse depth. The lower half of the extraction wells will be slotted. The PVC well casing will be set into a 24-inch diameter borehole. The hole will be backfilled with AASHTO No. 57 stone along the slotted portion of the well casing. A bentonite seal will be placed at the landfill cover-refuse interface in order to prevent short circuiting of air and surface water infiltration. Each well head will be fitted with monitoring ports, a butterfly control valve, and a pressure gage. Each well head will have a flexible connector to allow for differential settlement between the well and the header. The monitoring ports will be used to measure field parameters (e.g., flow rate and temperature) or to collect gas samples. The control valve will be used to adjust gas flow rate and vacuum at the individual well.

Each extraction well will be connected to one of the four header pipes. Wells 1, 2, 3, and 4 will be directly connected to the Main Header. Extraction wells 5 through 11 will be connected to the Southern Header, wells 12 through 17 will be connected to the Central Header, and wells 18 through 24 will be connected to the Northern Header. The lateral pipes will be manifolded together at the Main Header that conveys the extracted gas to the flare. The well heads, extraction laterals, and header pipes will be located beneath the ground. The main header pipe connecting the entire system to the blower-flare station will be 4-inches in diameter. All header pipes will be made of high density polyethylene (HDPE) pipe. The diameters of the pipe will be as shown in the drawings. The header pipes will be sloped to allow condensate to flow towards a low point. Calculations for the sizing of the laterals and header pipes are presented in Appendix F.

3.2.2 Condensate Collection System

An estimated 30 gallons per day (gpd) of condensate will be generated when the LFG system is operating. Condensate volumes were estimated based on the maximum temperature loss in the LFG extraction system, and calculations are presented in Appendix F. Condensate formed in all the headers will be collected at a low point by sloping the headers towards this low point. Condensate will then be trapped and removed from the system by changing the direction of gas flow and removing the trapped condensate in a barometric "U" tube. The condensate will then drain by gravity into a 1,500-gallon holding tank located outside the blower-flare station. Level instruments will be monitoring the liquid level in the tank. In order to empty the tank at the required time, signals will be sent when the liquid reaches pre-set elevations. The tank will be drained on a regular basis by pumps. The tank will be provided with a vent in order to maintain atmospheric pressure inside the tank at all times. The condensate liquid will then be disposed of in accordance with all state, federal and local water quality regulations. Characterization sampling will be required during the post-closure period to determine disposal options.

3.2.3 Blower-Flare (BF) Station

The blower flare station will be located in the northwest corner of the landfill. The flare will be designed for a LFG flow rate of 80 scfm. The facility will be enclosed by a chain-link fence or wall. The blower flare station will include the following equipment:

- Two centrifugal blowers each of 80 scfm capacity. One of the blowers will be a back-up.
- One vertical enclosed flare (80 scfm capacity).
- Demister/Filter Assembly - The LFG will be processed through a demister filter assembly located within the station.
- Electrical controls - Motor control for the blowers as well as flare control panels will be provided.

Blowers: The centrifugal blowers will be used and fitted with totally enclosed fan cooled (TEFC) motors. The blowers will be characterized by a performance curve which indicates flow rate, pressure, rpm, and horsepower. The blower rated capacity will be 80 scfm with a ½-horsepower motor. The blower will be capable of applying an inlet vacuum of 17-inch w.c. (water column), and it will deliver an outlet pressure of 15-inch w.c. In addition, controls will be provided for the operation and maintenance of the blower. Accessory equipment such as temperature gauges, butterfly valves, and pressure/vacuum gauges will be installed in-line on the suction and exhaust pipes in order to monitor blower performance.

Flare: The enclosed ground flare will be located within the BF station. The flare will be used to incinerate the combustible and toxic components of the LFG. The basic flare unit will consist of a vertical carbon steel combustion chamber. The combustion chamber will be lined with multiple layers of ceramic fiber insulation. The multi-point burner system will be constructed of 304/316L stainless steel. The stack will be approximately 3 feet in diameter and 20 feet high, so the flame will not be visible from outside the flare. The flare will be designed for a LF gas flow rate of 80 SCFM, a retention time of greater than 1 second, and an operating temperature of not less than 1,500 °F. The combustion chamber surface temperature is expected to be 220 °F when the flare is operating at 1,500 °F. The flare will have the capacity to burn natural gas (1,000 btu/cf @ 10 psig) in order to maintain the flame during start-up and when the heating value of the LFG requires supplementary fuel. The flare will be capable of being turned-down.

A 4-inch wafer style inlet isolation valve will be used to prevent landfill gas from escaping into the atmosphere in case of a flare and/or blower malfunction. A 4-inch wafer style inlet flame arrestor will be provided to prevent the backward propagation of flame in the LFG piping. A UV flame detector will be installed in the burner area of the flare by the flare manufacturer. The flare system will automatically shutdown if a flame is not detected (i.e., flame failure). Automatic air control dampers (louvers) will be located at the base of the flare to control the temperature of the combustion chamber. Three thermocouples will be installed in the flare to monitor the stack temperatures. The thermocouples will be located near the top and middle-points of the stack to measure the high and low-temperature set points, and near the exhaust to measure the exhaust gas temperature.

A LFG demister/filter assembly will also be included in line with the blowers, and the flare. The demister system is designed for a LFG flow rate of 80 scfm, and will be 100% efficient for moisture particles and solid particles of 6 microns or greater in size. The housing will be made of carbon steel, and will be provided with a multi-layered polypropylene knitted mesh demister pad.

The flare system will be designed with both a natural gas fueled automatic pilot system and a manually controlled natural gas fired auxiliary fuel system. The auxiliary fuel system will be designed to accommodate a maximum of 400,000 btu/hr of natural gas, or approximately 6.67 SCFM. It has been assumed that a natural gas supply pressure of 5 psig is available from the gas utility at the site.

The destruction efficiency of the flare will be greater than 99%, the NO_x emission will be < 0.06 #/MM btu, the CO emission will be < 2,000 ppm(v), the particulate matter emission will be < 450 mg/m³ or 0.196 grains/ft³, the NVTO Operating Noise Level will be 80-85 dB(A) @ 1 meter.

3.2.4 Electrical Controls

Electrical controls are provided for the flares, blowers, accessory equipment, and the condensate disposal system. Electrical controls for the automatic operation of the blower flare station will be located on the central control panel. As a conservative measure, the BF building was classified as a Class 1 Division 1 environment. A utility room as shown on Drawing A-1 and E-1 is provided to locate the electric service to the building. The control panel for the flare system will be based on a programmable logic controller. This system will be designed to monitor and control the flame supervision system and temperature control systems. In addition, a digital signal will be provided as a safety shutdown, which can be used to manage the blower. The flame supervision system with a flame safeguard system will have continual self checking capabilities. In addition, an auto-dialer will call pre-set phone numbers automatically in the event of a system shut-down such as a flame failure, blower failure, or safety shut-off valve (main LFG valve) failure.

A red beacon light will be mounted on the flare at the BF station which will activate in the event of a system shutdown. The control panel will also have function lights for the important pieces of equipment such as the blower, flare, and condensate pump. The functional lights will indicate if the systems are in the OFF/MAN/AUTO mode. One gas flow meter will be installed on the inlet pipe of the flare. The landfill gas flow rate will be recorded continuously in SCFM.

Well heads will be equipped with pre-fabricated gas flow control systems. The assembly will incorporate a built-in gas flow meter, gas temperature gauge, quick connect gas sample and pressure ports, and a flow control gate valve. The well head will be installed below ground elevation and in a suitably sized vault.

3.2.5 Materials of Construction for Gas and Condensate Collection Systems

Gas collection wells will be made of 6" diameter Schedule 80 PVC pipes. Schedule 80 PVC pipes will be suitable because of their rigidity and lack of measurable bowing under their own weight. A flexible, high density polyethylene (HDPE), extruded material made of 3408 type resin will be used for the collection header system. The collection header system consists of collection headers and laterals. The laterals and headers should be installed such that there is a protective sand envelop at least 6-inches thick. Since HDPE pipes are flexible and semi-malleable, the sand around the pipe should be compacted to provide structural stability to the pipes. At locations where the HDPE laterals and headers are subject to excessive load, they will be protected by slip-lining with a steel housing.

The condensate trap will be made of 1.5-inch diameter SCHEDULE 80 PVC pipe. The condensate will then drain into a 1,500 gallon fiberglass tank with integrally constructed ribs. Fiberglass is suitable for this application due to its corrosion resistant properties. The tank will be double walled in order to ensure maximum protection, and will be provided with a leak detection system. The fiberglass tank will be installed and kept in place with anchor straps. The gas collection wells, gas collection header system, condensate collection system, and flare are expected to operate for a 30 year post-closure period.

3.3 CONDENSATE DISPOSAL OPTIONS

The Gardena Valley Landfill does not have a leachate collection and treatment system, therefore, draining the condensate into the leachate treatment system will not be possible. The only options available are either disposing the condensate at a regulated offsite facility or constructing a treatment system in order to treat the condensate. The constituents present in the gas condensate are expected to be metals and VOCs. On-site treatment of the condensate (i.e., VOC and metals removal) will be more expensive than off-site disposal options. Due to the quantities expected (15 to 30 gpd) and relative costs of the two options, off-site disposal of the condensate at a regulated facility was considered the preferred option.

3.4 GAS MONITORING SYSTEM

Perimeter probe monitors will be installed at the locations shown on Drawing C-7 to monitor off-site migration of methane gas. In addition, the 24 LFG extraction wellheads be equipped with a sampling port. The perimeter probes and extraction wellheads can be monitored using a portable gas analyzer capable of measuring pressure in the well, methane in percent lower explosive limit (LEL), and total concentrations of methane, carbon dioxide, and oxygen.

4.0 IMPACT OF TRAFFIC LOAD

The top two layers - 18 inch thick crushed miscellaneous base material and the 4-inch thick asphalt layer will serve to distribute the traffic loadings, and will conform with the standard specification for public works construction (SSPWC), 1995 edition. In addition the crushed miscellaneous base layer will serve to isolate the underlying layers and trash from the flexing effects created by traffic loads. Providing the above two layers ensures that the flex zone lies well within the crushed miscellaneous base layer.

Subgrade preparation, placement, compaction, and finish of crushed miscellaneous base material should comply with the requirements of the SSPWC. The flex zone calculations and the stresses encountered at the bottom of the crushed miscellaneous base material are presented in Appendix G.

5.0 CONSTRUCTION SPECIFICATIONS

The construction specifications are included as an attachment to this report.

6.0 REFERENCES

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- USDA-Soil Conservation Service, "Urban Hydrology for Small Watersheds: Technical Release 55," U.S. Department of Agriculture, June 1986.
- U.S. Environmental Protection Agency, 1994. "The Hydrologic Evaluation of Landfill Performance (HELP) Model, Version 3.05, EPA/600/R-94/168a, September 1994.

APPENDIX A

Drainage Calculations

Circular Channel Analysis & Design
Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name:

Comment:

Solve For Full Flow Diameter

Given Input Data:

| | |
|------------------|--------------|
| Slope..... | 0.0060 ft/ft |
| Manning's n..... | 0.013 |
| Discharge..... | 15.39 cfs |

Computed Results:

| | |
|-------------------------|--------------|
| Full Flow Diameter..... | 1.90 ft |
| Full Flow Depth..... | 1.90 ft |
| Velocity..... | 5.40 fps |
| Flow Area..... | 2.85 sf |
| Critical Depth.... | 1.43 ft |
| Critical Slope.... | 0.0072 ft/ft |
| Percent Full..... | 100.00 % |
| Full Capacity..... | 15.39 cfs |
| QMAX @.94D..... | 16.56 cfs |
| Froude Number..... | FULL |

Circular Channel Analysis & Design
Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name:

Comment:

Solve For Full Flow Diameter

Given Input Data:

| | |
|------------------|--------------|
| Slope..... | 0.0060 ft/ft |
| Manning's n..... | 0.013 |
| Discharge..... | 43.16 cfs |

Computed Results:

| | |
|-------------------------|--------------|
| Full Flow Diameter..... | 2.80 ft |
| Full Flow Depth..... | 2.80 ft |
| Velocity..... | 6.99 fps |
| Flow Area..... | 6.18 sf |
| Critical Depth.... | 2.17 ft |
| Critical Slope.... | 0.0067 ft/ft |
| Percent Full..... | 100.00 % |
| Full Capacity..... | 43.16 cfs |
| QMAX @.94D..... | 46.43 cfs |
| Froude Number..... | FULL |

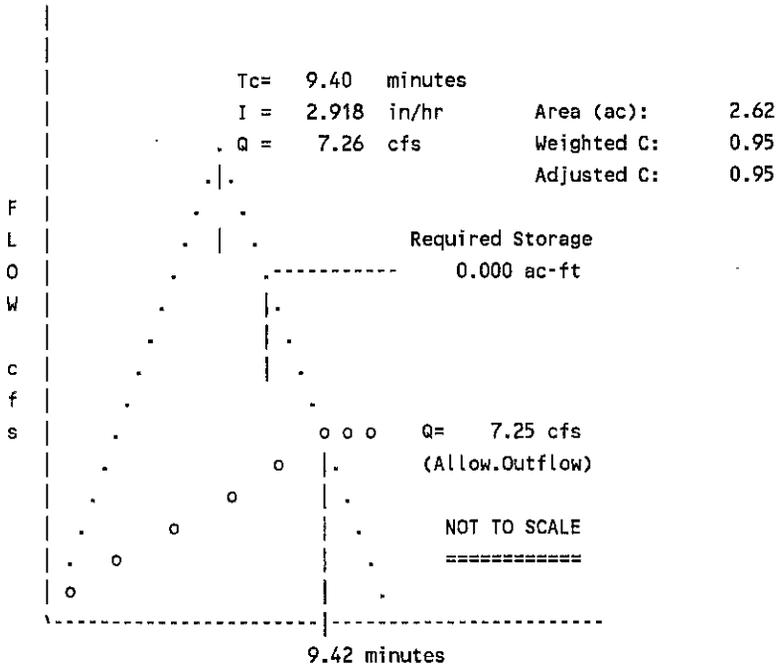
MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

Gardena Valley Landfill

Swale 1

```

*****
*                                     |                                     *
* RETURN FREQUENCY: 25 yr           | Allowable Outflow: 7.25 cfs *
* 'C' Adjustment: 1.000            | Required Storage: 0.000 ac-ft *
*                                     |                                     *
* STORM DURATION = Tc for Max.Storage *
*-----*
* Peak Inflow: 7.26 cfs             | Inflow .HYD stored: SWALE10U.HYD *
*****
    
```



Quick TR-55 Ver.5.46 S/N:
Executed: 10:44:39 07-22-1998

Gardena Valley Landfill
Swale 1

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 2.620 acres Tc = 9.40 minutes

Adjusted C = 0.950 Td= 9.40 min. I= 2.92 in/hr Qp= 7.26 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00

Output file: SWALE10U.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time increment = 0.017 Hours
Time on left represents time for first Q in each row.

| Time Hours | | | | | | | |
|---------------|------|------|------|------|------|------|------|
| 0.007 | 0.31 | 1.08 | 1.85 | 2.63 | 3.40 | 4.17 | 4.94 |
| 0.123 | 5.72 | 6.49 | 7.26 | 6.49 | 5.72 | 4.94 | 4.17 |
| 0.240 | 3.40 | 2.63 | 1.85 | 1.08 | 0.31 | | |

Gardena Valley Landfill
 Swale 1

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

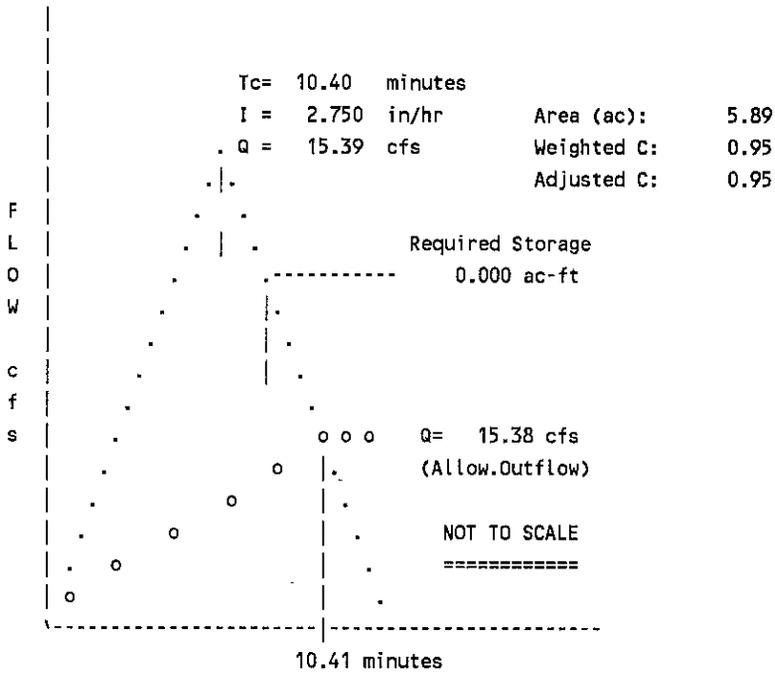
| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 2.62 | | | | | | |
| | | | 9.40 | 0.950 | 0.950 | 2.918 | 2.62 | 7.26 |

MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

Gardena Valley Landfill
 Swale 2

```

*****
*                                     *
* RETURN FREQUENCY: 25 yr           | Allowable Outflow: 15.38 cfs *
* 'C' Adjustment: 1.000           | Required Storage: 0.000 ac-ft *
*                                     |                               *
* STORM DURATION = Tc for Max.Storage *
*-----*
* Peak Inflow: 15.39 cfs           | Inflow .HYD stored: SWALE20U.HYD *
*****
  
```



Quick TR-55 Ver.5.46 S/N:
Executed: 11:12:52 07-22-1998

Gardena Valley Landfill
Swale 2

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 5.890 acres Tc = 10.40 minutes

Adjusted C = 0.950 Td= 10.40 min. I= 2.75 in/hr Qp= 15.39 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00

Output file: SWALE20U.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

Time increment = 0.017 Hours
Time on left represents time for first Q in each row.

| Time Hours | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|
| 0.007 | 0.59 | 2.07 | 3.55 | 5.03 | 6.51 | 7.99 | 9.47 |
| 0.123 | 10.95 | 12.43 | 13.91 | 15.39 | 13.91 | 12.43 | 10.95 |
| 0.240 | 9.47 | 7.99 | 6.51 | 5.03 | 3.55 | 2.07 | 0.59 |

Quick TR-55 Ver.5.46 S/N:
Executed: 11:12:52 07-22-1998

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
Swale 2

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 15.38 cfs

Hydrograph file duration= 10.40 minutes
Hydrograph file: SWALE20U.HYD Tc = 10.40 minutes

.....

| VOLUMES | | | | | | | | |
|----------|----------|----------|---------|-------|-------|---------|---------|--|
| Weighted | Adjusted | Duration | Intens. | Areas | Qpeak | Inflow | Storage | |
| 'C' | 'C' | minutes | in/hr | acres | cfs | (ac-ft) | (ac-ft) | |

-----|-----

***** Storage Maximum
0.950 0.950 10 2.750 5.89 15.39 | 0.220 0.000

0.950 0.950 15 2.260 5.89 12.65 | Qpeak < Qallow

Quick TR-55 Ver.5.46 S/N:
 Executed: 11:13:05 07-22-1998

Gardena Valley Landfill
 Swale 3

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 3.620 acres Tc = 8.30 minutes

Adjusted C = 0.950 Td= 57.00 min. I= 3.12 in/hr Qp= 10.73 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00

Output file: SWALE30U.HYD

HYDROGRAPH FOR MAXIMUM STORAGE

For the 25 Year Storm

| Time Hours | Time increment = 0.017 Hours | | | | | | |
|---------------|---|-------|-------|-------|-------|-------|-------|
| | Time on left represents time for first Q in each row. | | | | | | |
| 0.005 | 0.39 | 1.68 | 2.97 | 4.27 | 5.56 | 6.85 | 8.14 |
| 0.122 | 9.44 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.238 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.355 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.472 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.588 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.705 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.822 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 | 10.73 |
| 0.938 | 10.73 | 10.34 | 9.05 | 7.76 | 6.46 | 5.17 | 3.88 |
| 1.055 | 2.59 | 1.29 | 0.00 | | | | |

Gardena Valley Landfill
 Swale 3

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 3.62 | | | | | | |
| | | | 8.30 | 0.950 | 0.950 | 3.130 | 3.62 | 10.76 |

Quick TR-55 Ver.5.46 S/N:
 Executed: 11:12:52 07-22-1998

Gardena Valley Landfill
 Swale 2

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 5.89 | | | | | | |
| | | | 10.40 | 0.950 | 0.950 | 2.750 | 5.89 | 15.39 |

Quick TR-55 Ver.5.46 S/N:
 Executed: 11:13:05 07-22-1998

```

*****
*****
*
*
*          MODIFIED RATIONAL METHOD          *
*    ---- Grand Summary For All Storm Frequencies ----    *
*
*
*****
*****
  
```

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
 Swale 3

Area = 3.62 acres Tc = 8.30 minutes

.....

VOLUMES

| Frequency (years) | Adjusted 'C' | Duration minutes | Intens. in/hr | Qpeak cfs | Allowable cfs | Inflow (ac-ft) | Storage (ac-ft) |
|----------------------|-----------------|---------------------|------------------|--------------|------------------|-------------------|--------------------|
| 25 | 0.950 | 57 | 3.120 | 10.73 | 10.19 | 0.842 | 0.384 |

Quick TR-55 Ver.5.46 S/N:
Executed: 11:13:05 07-22-1998

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
Swale 3

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 10.19 cfs

Hydrograph file duration= 57.00 minutes

Hydrograph file: SWALE30U.HYD Tc = 8.30 minutes

.....

| VOLUMES | | | | | | | |
|-----------------|-----------------|---------------------|------------------|----------------|--------------|-------------------|--------------------|
| Weighted 'C' | Adjusted 'C' | Duration minutes | Intens. in/hr | Areas acres | Qpeak cfs | Inflow (ac-ft) | Storage (ac-ft) |
| 0.950 | 0.950 | 8 | 3.130 | 3.62 | 10.76 | 0.123 | 0.007 |
| 0.950 | 0.950 | 10 | 2.810 | 3.62 | 9.66 | Qpeak < Qallow | |

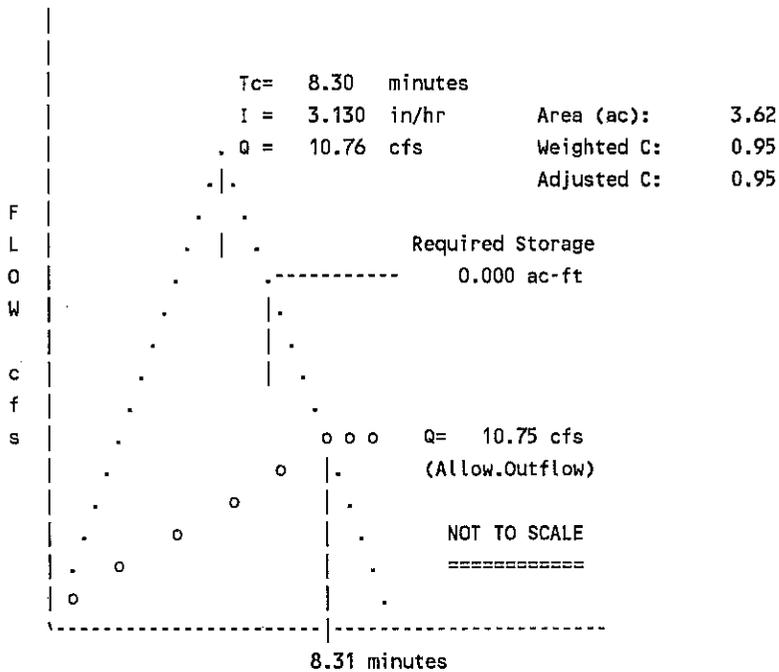
MODIFIED RATIONAL METHOD

---- Graphical Summary for Maximum Required Storage ----

Gardena Valley Landfill
 Swale 3

```

*****
* RETURN FREQUENCY: 25 yr | Allowable Outflow: 10.75 cfs *
* 'C' Adjustment: 1.000 | Required Storage: 0.000 ac-ft *
*
* STORM DURATION = Tc for Max.Storage *
-----
* Peak Inflow: 10.76 cfs Inflow .HYD stored: SWALE3OU.HYD *
*****
  
```



Quick TR-55 Ver.5.46 S/N:
Executed: 11:13:35 07-22-1998

Gardena Valley Landfill
Swale 3

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 3.620 acres Tc = 8.30 minutes

Adjusted C = 0.950 Td= 8.30 min. I= 3.13 in/hr Qp= 10.76 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: SWALE3OU.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

| Time Hours | Time increment = 0.017 Hours | | | | | | |
|---------------|---|-------|------|------|------|------|------|
| | Time on left represents time for first Q in each row. | | | | | | |
| 0.005 | 0.39 | 1.69 | 2.98 | 4.28 | 5.58 | 6.87 | 8.17 |
| 0.122 | 9.47 | 10.76 | 9.47 | 8.17 | 6.87 | 5.58 | 4.28 |
| 0.238 | 2.98 | 1.69 | 0.39 | | | | |

Gardena Valley Landfill
 Swale 3

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 3.62 | | | | | | |
| | | | 8.30 | 0.950 | 0.950 | 3.130 | 3.62 | 10.76 |

Quick TR-55 Ver.5.46 S/N:
Executed: 11:13:35 07-22-1998

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
Swale 3

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 10.75 cfs

Hydrograph file duration= 8.30 minutes
Hydrograph file: SWALE30U.HYD Tc = 8.30 minutes

.....

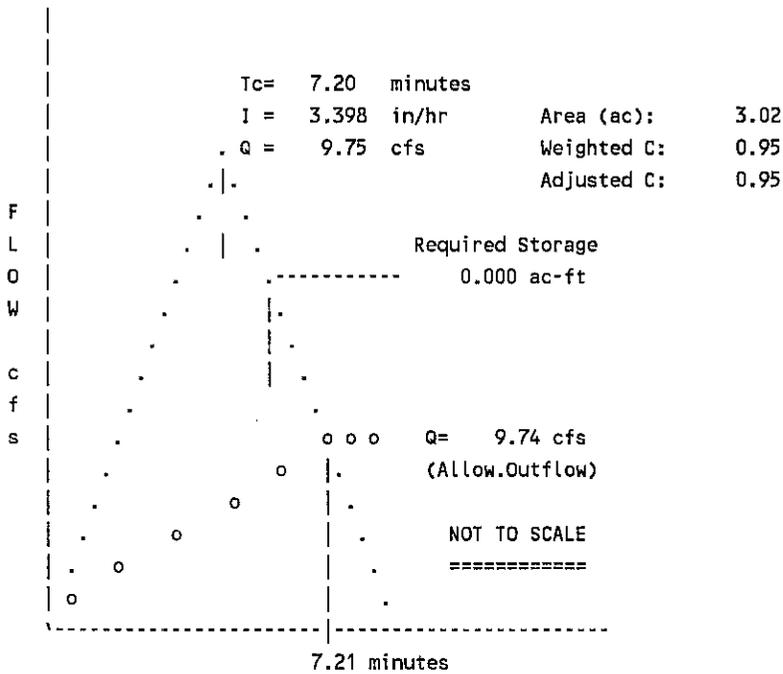
| VOLUMES | | | | | | | |
|-----------------|-----------------|---------------------|------------------|----------------|--------------|-------------------|--------------------|
| Weighted 'C' | Adjusted 'C' | Duration minutes | Intens. in/hr | Areas acres | Qpeak cfs | Inflow (ac-ft) | Storage (ac-ft) |
| 0.950 | 0.950 | 10 | 2.810 | 3.62 | 9.66 | Qpeak < Qallow | |

MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

Gardena Valley Landfill
 Swale 4

```

*****
*                                     *
* RETURN FREQUENCY: 25 yr           | Allowable Outflow: 9.74 cfs *
* 'C' Adjustment: 1.000           | Required Storage: 0.000 ac-ft *
*                                     *
* STORM DURATION = Tc for Max.Storage *
*-----*
* Peak Inflow: 9.75 cfs           | Inflow .HYD stored: SWALE40U.HYD *
*****
  
```



Quick TR-55 Ver.5.46 S/N:
Executed: 11:14:26 07-22-1998

Gardena Valley Landfill
Swale 4

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 3.020 acres Tc = 7.20 minutes

Adjusted C = 0.950 Td= 7.20 min. I= 3.40 in/hr Qp= 9.75 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: SWALE4OU.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

| Time Hours | Time increment = 0.017 Hours | | | | | | |
|---------------|---|------|------|------|------|------|------|
| | Time on left represents time for first Q in each row. | | | | | | |
| 0.003 | 0.27 | 1.62 | 2.98 | 4.33 | 5.69 | 7.04 | 8.39 |
| 0.120 | 9.75 | 8.39 | 7.04 | 5.69 | 4.33 | 2.98 | 1.62 |
| 0.237 | 0.27 | | | | | | |

Gardena Valley Landfill
 Swale 4

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 3.02 | | | | | | |
| | | | 7.20 | 0.950 | 0.950 | 3.398 | 3.02 | 9.75 |

Quick TR-55 Ver.5.46 S/N:
Executed: 11:14:26 07-22-1998

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
Swale 4

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 9.74 cfs

Hydrograph file duration= 7.20 minutes
Hydrograph file: SWALE4OU.HYD Tc = 7.20 minutes

.....

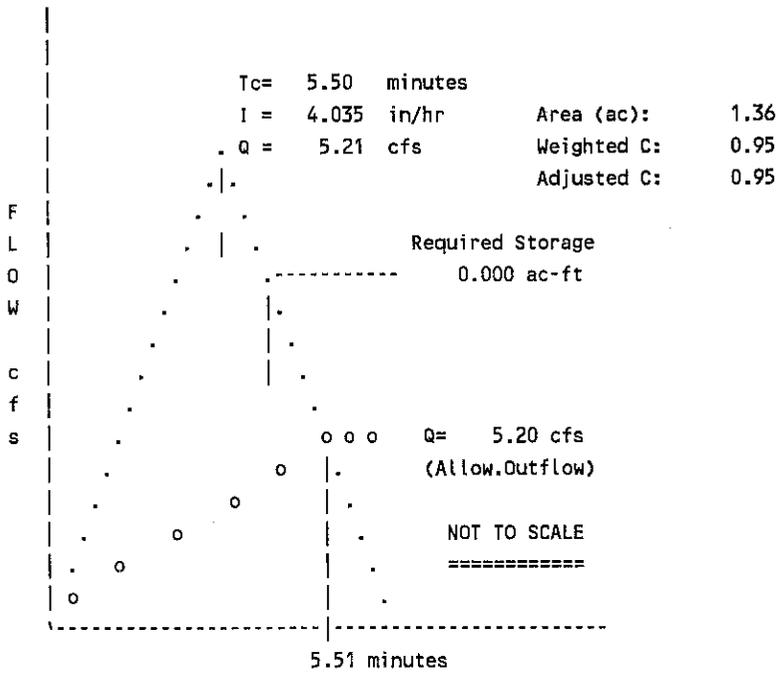
| VOLUMES | | | | | | |
|-----------------|-----------------|---------------------|------------------|----------------|--------------|--|
| Weighted 'C' | Adjusted 'C' | Duration minutes | Intens. in/hr | Areas acres | Qpeak cfs | Inflow (ac-ft) Storage (ac-ft) |
| 0.950 | 0.950 | 10 | 2.810 | 3.02 | 8.06 | Qpeak < Qallow |

MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

Gardena Valley Landfill
 Overflow onto Main Street

```

*****
*                                     |                                     *
* RETURN FREQUENCY: 25 yr           | Allowable Outflow: 5.20 cfs *
* 'C' Adjustment: 1.000            | Required Storage: 0.000 ac-ft *
*                                     |                                     *
*          STORM DURATION = Tc for Max.Storage *
*-----*
* Peak Inflow: 5.21 cfs           Inflow .HYD stored: HIWAYEQU.HYD *
*****
  
```



Quick TR-55 Ver.5.46 S/N:
Executed: 11:15:02 07-22-1998

Gardena Valley Landfill
Overflow onto Main Street

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 1.360 acres Tc = 5.50 minutes

Adjusted C = 0.950 Td= 5.50 min. I= 4.03 in/hr Qp= 5.21 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: HIWAYEQU.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

| Time Hours | Time increment = 0.017 Hours | | | | | | |
|---------------|---|------|------|------|------|------|------|
| | Time on left represents time for first Q in each row. | | | | | | |
| 0.008 | 0.47 | 1.42 | 2.37 | 3.32 | 4.27 | 5.21 | 4.27 |
| 0.125 | 3.32 | 2.37 | 1.42 | 0.47 | 0.00 | | |

Gardena Valley Landfill
 Overflow onto Main Street

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years
 'C' adjustment, k = 1
 Adj. 'C' = Wtd.'C' x 1

| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 1.36 | | | | | | |
| | | | 5.50 | 0.950 | 0.950 | 4.035 | 1.36 | 5.21 |

Quick TR-55 Ver.5.46 S/N:
Executed: 11:15:02 07-22-1998

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
Overflow onto Main Street

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 5.20 cfs

Hydrograph file duration= 5.50 minutes
Hydrograph file: HIWAYEQU.HYD Tc = 5.50 minutes

.....

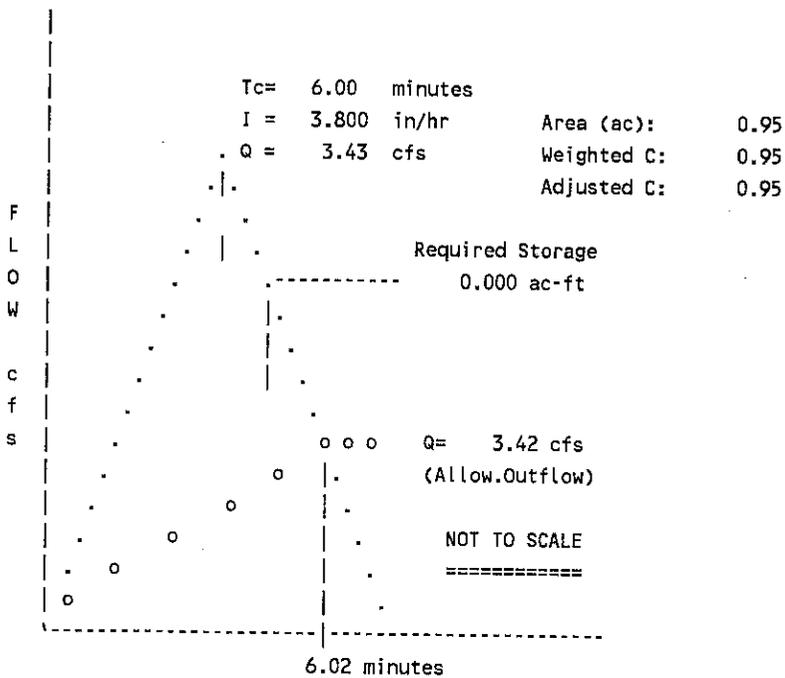
| VOLUMES | | | | | | | |
|----------|----------|----------|---------|-------|-------|----------------|---------|
| Weighted | Adjusted | Duration | Intens. | Areas | Qpeak | Inflow | Storage |
| 'C' | 'C' | minutes | in/hr | acres | cfs | (ac-ft) | (ac-ft) |
| 0.950 | 0.950 | 10 | 2.810 | 1.36 | 3.63 | Qpeak < Qallow | |

MODIFIED RATIONAL METHOD
 ---- Graphical Summary for Maximum Required Storage ----

Gardena Valley Landfill
 Overflow onto Figueroa Street

```

*****
*                                     *
* RETURN FREQUENCY: 25 yr           | Allowable Outflow: 3.42 cfs *
* 'C' Adjustment: 1.000           | Required Storage: 0.000 ac-ft *
*                                     |                               *
* STORM DURATION = Tc for Max.Storage *
*-----*
* Peak Inflow: 3.43 cfs           | Inflow .HYD stored: FIGUEROU.HYD *
*****
  
```



Quick TR-55 Ver.5.46 S/N:
Executed: 11:15:33 07-22-1998

Gardena Valley Landfill
Overflow onto Figueroa Street

**** Modified Rational Hydrograph ****

Weighted C = 0.950 Area= 0.950 acres Tc = 6.00 minutes

Adjusted C = 0.950 Td= 6.00 min. I= 3.80 in/hr Qp= 3.43 cfs

RETURN FREQUENCY: 25 year storm Adj.factor = 1.00
Output file: FIGUEROU.HYD

HYDROGRAPH FOR MAXIMUM STORAGE
For the 25 Year Storm

| Time Hours | Time increment = 0.017 Hours | | | | | | |
|---------------|---|------|------|------|------|------|------|
| | Time on left represents time for first Q in each row. | | | | | | |
| 0.000 | 0.00 | 0.57 | 1.14 | 1.71 | 2.29 | 2.86 | 3.43 |
| 0.117 | 2.86 | 2.29 | 1.71 | 1.14 | 0.57 | 0.00 | |

Gardena Valley Landfill
 Overflow onto Figueroa Street

***** SUMMARY OF RATIONAL METHOD PEAK DISCHARGES *****

$$Q = \text{adj} * C * I * A$$

Where: Q=cfs, C=Weighted Runoff Coefficient, I=in/hour, A=acres
 adj = 'C' adjustment factor for each return frequency

RETURN FREQUENCY = 25 years

'C' adjustment, k = 1

Adj. 'C' = Wtd.'C' x 1

| Subarea Descr. | Runoff 'C' | Area acres | Tc (min) | Wtd. 'C' | Adj. 'C' | I in/hr | Total acres | Peak Q (cfs) |
|-------------------|---------------|---------------|-------------|-------------|-------------|------------|----------------|-----------------|
| paved | 0.950 | 0.95 | | | | | | |
| | | | 6.00 | 0.950 | 0.950 | 3.800 | 0.95 | 3.43 |

Quick TR-55 Ver.5.46 S/N:
Executed: 11:15:33 07-22-1998

MODIFIED RATIONAL METHOD
---- Summary for Single Storm Frequency ----

First peak outflow point assumed to occur at inflow recession leg.

Gardena Valley Landfill
Overflow onto Figueroa Street

RETURN FREQUENCY: 25 yr 'C' Adjustment = 1.000 Allowable Q = 3.42 cfs

Hydrograph file duration= 6.00 minutes

Hydrograph file: FIGUEROU.HYD Tc = 6.00 minutes

.....

VOLUMES

| Weighted 'C' | Adjusted 'C' | Duration minutes | Intens. in/hr | Areas acres | Qpeak cfs | Inflow (ac-ft) | Storage (ac-ft) |
|-----------------|-----------------|---------------------|------------------|----------------|--------------|-------------------|--------------------|
| 0.950 | 0.950 | 10 | 2.810 | 0.95 | 2.54 | Qpeak < Qallow | |

APPENDIX B

HELP Model Analyses

```

*****
*****
**
**
**
**          HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE          **
**          HELP MODEL VERSION 3.05a (5 JUNE 1996)                  **
**          DEVELOPED BY ENVIRONMENTAL LABORATORY                   **
**          USAE WATERWAYS EXPERIMENT STATION                      **
**          FOR USEPA RISK REDUCTION ENGINEERING LABORATORY        **
**
**
*****
*****

```

```

PRECIPITATION DATA FILE:   C:\HELP3\PRE90.D4
TEMPERATURE DATA FILE:    C:\HELP3\TEM90.D7
SOLAR RADIATION DATA FILE: C:\HELP3\SOL90.D13
EVAPOTRANSPIRATION DATA:  C:\HELP3\EVA90.D11
SOIL AND DESIGN DATA FILE: C:\HELP3\GAR901.D10
OUTPUT DATA FILE:         C:\HELP3\GAR0901.OUT

```

TIME: 16:45 DATE: 12/21/1998

```

*****
TITLE:  Gardena Valley 1 & 2 Landfill, Carson, CA
        (Actual Precipitation With Drainage Net and GCL - 90% Design Submittal)
*****

```

NOTE: INITIAL MOISTURE CONTENT OF THE LAYERS AND SNOW WATER WERE
COMPUTED AS NEARLY STEADY-STATE VALUES BY THE PROGRAM.

LAYER 1

```

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 23
THICKNESS           = 4.00 INCHES
POROSITY             = 0.4610 VOL/VOL
FIELD CAPACITY      = 0.3600 VOL/VOL
WILTING POINT       = 0.2030 VOL/VOL
INITIAL SOIL WATER  = 0.3249 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.900000032000E-05 CM/SEC

```

LAYER 2

```

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 3
THICKNESS           = 18.00 INCHES
POROSITY             = 0.4570 VOL/VOL
FIELD CAPACITY      = 0.0830 VOL/VOL
WILTING POINT       = 0.0330 VOL/VOL
INITIAL SOIL WATER  = 0.0717 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.310000009000E-02 CM/SEC

```

LAYER 3

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 20

| | | | |
|----------------------------|---|---------------|---------|
| THICKNESS | = | 0.50 | INCHES |
| POROSITY | = | 0.8500 | VOL/VOL |
| FIELD CAPACITY | = | 0.0100 | VOL/VOL |
| WILTING POINT | = | 0.0050 | VOL/VOL |
| INITIAL SOIL WATER CONTENT | = | 0.0292 | VOL/VOL |
| EFFECTIVE SAT. HYD. COND. | = | 10.0000000000 | CM/SEC |
| SLOPE | = | 0.02 | PERCENT |
| DRAINAGE LENGTH | = | 400.0 | FEET |

LAYER 4

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 17

| | | | |
|----------------------------|---|--------------------|------------|
| THICKNESS | = | 0.04 | INCHES |
| POROSITY | = | 0.0000 | VOL/VOL |
| FIELD CAPACITY | = | 0.0000 | VOL/VOL |
| WILTING POINT | = | 0.0000 | VOL/VOL |
| INITIAL SOIL WATER CONTENT | = | 0.0000 | VOL/VOL |
| EFFECTIVE SAT. HYD. COND. | = | 0.300000003000E-08 | CM/SEC |
| FML PINHOLE DENSITY | = | 0.00 | HOLES/ACRE |
| FML INSTALLATION DEFECTS | = | 0.00 | HOLES/ACRE |
| FML PLACEMENT QUALITY | = | 4 | - POOR |

LAYER 5

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 4

| | | | |
|----------------------------|---|--------------------|---------|
| THICKNESS | = | 24.00 | INCHES |
| POROSITY | = | 0.4370 | VOL/VOL |
| FIELD CAPACITY | = | 0.1050 | VOL/VOL |
| WILTING POINT | = | 0.0470 | VOL/VOL |
| INITIAL SOIL WATER CONTENT | = | 0.1062 | VOL/VOL |
| EFFECTIVE SAT. HYD. COND. | = | 0.170000002000E-02 | CM/SEC |

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM A USER-SPECIFIED CURVE NUMBER OF 99.0, A SURFACE SLOPE OF 2.% AND A SLOPE LENGTH OF 400. FEET.

| | | | |
|------------------------------------|---|--------|-------------|
| SCS RUNOFF CURVE NUMBER | = | 99.00 | |
| FRACTION OF AREA ALLOWING RUNOFF | = | 100.0 | PERCENT |
| AREA PROJECTED ON HORIZONTAL PLANE | = | 14.600 | ACRES |
| EVAPORATIVE ZONE DEPTH | = | 16.0 | INCHES |
| INITIAL WATER IN EVAPORATIVE ZONE | = | 2.255 | INCHES |
| UPPER LIMIT OF EVAPORATIVE STORAGE | = | 7.328 | INCHES |
| LOWER LIMIT OF EVAPORATIVE STORAGE | = | 1.208 | INCHES |
| INITIAL SNOW WATER | = | 0.000 | INCHES |
| INITIAL WATER IN LAYER MATERIALS | = | 5.154 | INCHES |
| TOTAL INITIAL WATER | = | 5.154 | INCHES |
| TOTAL SUBSURFACE INFLOW | = | 0.00 | INCHES/YEAR |

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
LOS ANGELES CALIFORNIA

| | | | |
|---------------------------------------|---|-------|---------|
| STATION LATITUDE | = | 33.83 | DEGREES |
| MAXIMUM LEAF AREA INDEX | = | 0.00 | |
| START OF GROWING SEASON (JULIAN DATE) | = | 245 | |
| END OF GROWING SEASON (JULIAN DATE) | = | 120 | |
| EVAPORATIVE ZONE DEPTH | = | 16.0 | INCHES |
| AVERAGE ANNUAL WIND SPEED | = | 7.40 | MPH |
| AVERAGE 1ST QUARTER RELATIVE HUMIDITY | = | 67.00 | % |
| AVERAGE 2ND QUARTER RELATIVE HUMIDITY | = | 74.00 | % |
| AVERAGE 3RD QUARTER RELATIVE HUMIDITY | = | 75.00 | % |
| AVERAGE 4TH QUARTER RELATIVE HUMIDITY | = | 67.00 | % |

NOTE: PRECIPITATION DATA FOR CARSON CALIFORNIA
WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR LOS ANGELES CALIFORNIA

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

| JAN/JUL | FEB/AUG | MAR/SEP | APR/OCT | MAY/NOV | JUN/DEC |
|---------|---------|---------|---------|---------|---------|
| ----- | ----- | ----- | ----- | ----- | ----- |
| 56.00 | 57.10 | 57.40 | 59.50 | 62.40 | 65.60 |
| 69.00 | 70.30 | 69.50 | 66.30 | 61.20 | 57.00 |

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR LOS ANGELES CALIFORNIA
AND STATION LATITUDE = 33.80 DEGREES

ANNUAL TOTALS FOR YEAR 1

| | <u>INCHES</u> | <u>CU. FEET</u> | <u>PERCENT</u> |
|---------------------------------|---------------|-----------------|----------------|
| PRECIPITATION | 24.30 | 1287851.370 | 100.00 |
| RUNOFF | 18.867 | 999930.687 | 77.64 |
| EVAPOTRANSPIRATION | 5.073 | 268872.844 | 20.88 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.3193 | 16923.627 | 1.31 |
| PERC./LEAKAGE THROUGH LAYER 4 | 0.041201 | 2183.551 | 0.17 |
| AVG. HEAD ON TOP OF LAYER 4 | 0.0308 | | |
| PERC./LEAKAGE THROUGH LAYER 5 | 0.007376 | 390.895 | 0.03 |
| CHANGE IN WATER STORAGE | 0.033 | 1733.543 | 0.13 |
| SOIL WATER AT START OF YEAR | 6.727 | 356517.312 | |
| SOIL WATER AT END OF YEAR | 6.760 | 358250.844 | |
| SNOW WATER AT START OF YEAR | 0.000 | 0.000 | 0.00 |
| SNOW WATER AT END OF YEAR | 0.000 | 0.000 | 0.00 |
| ANNUAL WATER BUDGET BALANCE | 0.0000 | -0.242 | 0.00 |

ANNUAL TOTALS FOR YEAR 2

| | <u>INCHES</u> | <u>CU. FEET</u> | <u>PERCENT</u> |
|---------------------------------|---------------|-----------------|----------------|
| PRECIPITATION | 9.60 | 508780.781 | 100.00 |
| RUNOFF | 6.140 | 325389.969 | 63.95 |
| EVAPOTRANSPIRATION | 3.205 | 169877.672 | 33.39 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.3699 | 19604.172 | 3.85 |
| PERC./LEAKAGE THROUGH LAYER 4 | 0.044194 | 2342.209 | 0.46 |
| AVG. HEAD ON TOP OF LAYER 4 | 0.0356 | | |
| PERC./LEAKAGE THROUGH LAYER 5 | 0.007760 | 411.271 | 0.08 |
| CHANGE IN WATER STORAGE | -0.123 | -6502.234 | -1.28 |
| SOIL WATER AT START OF YEAR | 6.760 | 358250.844 | |
| SOIL WATER AT END OF YEAR | 6.637 | 351748.625 | |
| SNOW WATER AT START OF YEAR | 0.000 | 0.000 | 0.00 |
| SNOW WATER AT END OF YEAR | 0.000 | 0.000 | 0.00 |
| ANNUAL WATER BUDGET BALANCE | 0.0000 | -0.076 | 0.00 |

ANNUAL TOTALS FOR YEAR 3

| | INCHES | CU. FEET | PERCENT |
|---------------------------------|----------|-------------|---------|
| PRECIPITATION | 26.80 | 1420346.750 | 100.00 |
| RUNOFF | 21.453 | 1136975.250 | 80.05 |
| EVAPOTRANSPIRATION | 5.076 | 269001.875 | 18.94 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.3532 | 18717.402 | 1.32 |
| PERC./LEAKAGE THROUGH LAYER 4 | 0.042789 | 2267.737 | 0.16 |
| AVG. HEAD ON TOP OF LAYER 4 | 0.0341 | | |
| PERC./LEAKAGE THROUGH LAYER 5 | 0.001764 | 93.484 | 0.01 |
| CHANGE IN WATER STORAGE | -0.084 | -4441.704 | -0.31 |
| SOIL WATER AT START OF YEAR | 6.637 | 351748.625 | |
| SOIL WATER AT END OF YEAR | 6.553 | 347306.906 | |
| SNOW WATER AT START OF YEAR | 0.000 | 0.000 | 0.00 |
| SNOW WATER AT END OF YEAR | 0.000 | 0.000 | 0.00 |
| ANNUAL WATER BUDGET BALANCE | 0.0000 | 0.449 | 0.00 |

ANNUAL TOTALS FOR YEAR 4

| | INCHES | CU. FEET | PERCENT |
|---------------------------------|----------|------------|---------|
| PRECIPITATION | 10.50 | 556478.937 | 100.00 |
| RUNOFF | 7.258 | 384675.594 | 69.13 |
| EVAPOTRANSPIRATION | 3.155 | 167197.234 | 30.05 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.2872 | 15221.688 | 2.74 |
| PERC./LEAKAGE THROUGH LAYER 4 | 0.040317 | 2136.702 | 0.38 |
| AVG. HEAD ON TOP OF LAYER 4 | 0.0277 | | |
| PERC./LEAKAGE THROUGH LAYER 5 | 0.001836 | 97.310 | 0.02 |
| CHANGE IN WATER STORAGE | -0.202 | -10712.933 | -1.93 |
| SOIL WATER AT START OF YEAR | 6.553 | 347306.906 | |
| SOIL WATER AT END OF YEAR | 6.351 | 336594.000 | |
| SNOW WATER AT START OF YEAR | 0.000 | 0.000 | 0.00 |
| SNOW WATER AT END OF YEAR | 0.000 | 0.000 | 0.00 |
| ANNUAL WATER BUDGET BALANCE | 0.0000 | 0.042 | 0.00 |

ANNUAL TOTALS FOR YEAR 5

| | INCHES | CU. FEET | PERCENT |
|---------------------------------|----------|------------|---------|
| PRECIPITATION | 12.75 | 675724.437 | 100.00 |
| RUNOFF | 9.353 | 495701.594 | 73.36 |
| EVAPOTRANSPIRATION | 2.273 | 120463.797 | 17.83 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.5463 | 28951.029 | 4.28 |
| PERC./LEAKAGE THROUGH LAYER 4 | 0.058024 | 3075.138 | 0.46 |
| AVG. HEAD ON TOP OF LAYER 4 | 0.0526 | | |
| PERC./LEAKAGE THROUGH LAYER 5 | 0.009385 | 497.362 | 0.07 |
| CHANGE IN WATER STORAGE | 0.568 | 30110.639 | 4.46 |
| SOIL WATER AT START OF YEAR | 6.351 | 336594.000 | |
| SOIL WATER AT END OF YEAR | 6.919 | 366704.625 | |
| SNOW WATER AT START OF YEAR | 0.000 | 0.000 | 0.00 |
| SNOW WATER AT END OF YEAR | 0.000 | 0.000 | 0.00 |
| ANNUAL WATER BUDGET BALANCE | 0.0000 | 0.023 | 0.00 |

ANNUAL TOTALS FOR YEAR 6

| | INCHES | CU. FEET | PERCENT |
|---------------------------------|----------|-------------|---------|
| PRECIPITATION | 25.66 | 1359929.000 | 100.00 |
| RUNOFF | 18.964 | 1005067.440 | 73.91 |
| EVAPOTRANSPIRATION | 6.351 | 336614.437 | 24.75 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.1771 | 9384.846 | 0.69 |
| PERC./LEAKAGE THROUGH LAYER 4 | 0.036269 | 1922.177 | 0.14 |
| AVG. HEAD ON TOP OF LAYER 4 | 0.0172 | | |
| PERC./LEAKAGE THROUGH LAYER 5 | 0.004162 | 220.561 | 0.02 |
| CHANGE IN WATER STORAGE | 0.163 | 8641.510 | 0.64 |
| SOIL WATER AT START OF YEAR | 6.919 | 366704.625 | |
| SOIL WATER AT END OF YEAR | 7.082 | 375346.125 | |
| SNOW WATER AT START OF YEAR | 0.000 | 0.000 | 0.00 |
| SNOW WATER AT END OF YEAR | 0.000 | 0.000 | 0.00 |
| ANNUAL WATER BUDGET BALANCE | 0.0000 | 0.158 | 0.00 |

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1 THROUGH 6

| | JAN/JUL | FEB/AUG | MAR/SEP | APR/OCT | MAY/NOV | JUN/DEC |
|--|------------------|------------------|------------------|------------------|------------------|------------------|
| PRECIPITATION | | | | | | |
| TOTALS | 6.20 0.00 | 4.52 0.00 | 2.48 0.03 | 0.56 0.37 | 0.20 0.96 | 0.22 2.73 |
| STD. DEVIATIONS | 6.43 0.00 | 4.17 0.00 | 2.07 0.08 | 0.65 0.56 | 0.48 0.87 | 0.35 1.90 |
| RUNOFF | | | | | | |
| TOTALS | 4.959 0.000 | 3.557 0.000 | 1.733 0.010 | 0.348 0.229 | 0.097 0.606 | 0.145 1.990 |
| STD. DEVIATIONS | 5.885 0.000 | 3.501 0.000 | 1.604 0.024 | 0.500 0.462 | 0.238 0.666 | 0.240 1.689 |
| EVAPOTRANSPIRATION | | | | | | |
| TOTALS | 0.634 0.213 | 1.016 0.183 | 0.705 0.072 | 0.404 0.054 | 0.321 0.094 | 0.234 0.259 |
| STD. DEVIATIONS | 0.599 0.045 | 0.791 0.034 | 0.351 0.078 | 0.181 0.051 | 0.133 0.023 | 0.056 0.309 |
| LATERAL DRAINAGE COLLECTED FROM LAYER 3 | | | | | | |
| TOTALS | 0.0159 0.0331 | 0.0143 0.0266 | 0.0310 0.0235 | 0.0456 0.0259 | 0.0474 0.0214 | 0.0398 0.0177 |
| STD. DEVIATIONS | 0.0083 0.0160 | 0.0068 0.0133 | 0.0228 0.0153 | 0.0346 0.0182 | 0.0319 0.0126 | 0.0197 0.0086 |
| PERCOLATION/LEAKAGE THROUGH LAYER 4 | | | | | | |
| TOTALS | 0.0032 0.0036 | 0.0029 0.0034 | 0.0039 0.0033 | 0.0049 0.0034 | 0.0050 0.0032 | 0.0040 0.0032 |
| STD. DEVIATIONS | 0.0000 0.0008 | 0.0000 0.0004 | 0.0013 0.0005 | 0.0023 0.0009 | 0.0019 0.0004 | 0.0012 0.0000 |
| PERCOLATION/LEAKAGE THROUGH LAYER 5 | | | | | | |
| TOTALS | 0.0002 0.0002 | 0.0002 0.0004 | 0.0006 0.0006 | 0.0006 0.0004 | 0.0006 0.0006 | 0.0004 0.0005 |
| STD. DEVIATIONS | 0.0006 0.0003 | 0.0005 0.0004 | 0.0009 0.0007 | 0.0011 0.0007 | 0.0011 0.0007 | 0.0006 0.0007 |

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 4

| | | | | | | |
|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| AVERAGES | 0.0181 0.0376 | 0.0180 0.0303 | 0.0353 0.0276 | 0.0536 0.0295 | 0.0539 0.0252 | 0.0469 0.0202 |
| STD. DEVIATIONS | 0.0095 0.0182 | 0.0086 0.0151 | 0.0259 0.0180 | 0.0407 0.0207 | 0.0363 0.0149 | 0.0231 0.0098 |

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 6

| | INCHES | CU. FEET | PERCENT |
|---|--------------------|-----------|---------|
| PRECIPITATION | 18.27 (8.121) | 968185.2 | 100.00 |
| RUNOFF | 13.673 (6.8128) | 724623.44 | 74.843 |
| EVAPOTRANSPIRATION | 4.189 (1.5461) | 222004.64 | 22.930 |
| LATERAL DRAINAGE COLLECTED FROM LAYER 3 | 0.34216 (0.12111) | 18133.793 | 1.87297 |
| PERCOLATION/LEAKAGE THROUGH LAYER 4 | 0.04380 (0.00747) | 2321.252 | 0.23975 |
| AVERAGE HEAD ON TOP OF LAYER 4 | 0.033 (0.012) | | |
| PERCOLATION/LEAKAGE THROUGH LAYER 5 | 0.00538 (0.00325) | 285.147 | 0.02945 |
| CHANGE IN WATER STORAGE | 0.059 (0.2801) | 3138.14 | 0.324 |

PEAK DAILY VALUES FOR YEARS 1 THROUGH 6

| | (INCHES) | (CU. FT.) |
|---|----------|-------------|
| PRECIPITATION | 6.50 | 344487.000 |
| RUNOFF | 6.311 | 334464.8120 |
| DRAINAGE COLLECTED FROM LAYER 3 | 0.00341 | 180.58969 |
| PERCOLATION/LEAKAGE THROUGH LAYER 4 | 0.000307 | 16.25345 |
| AVERAGE HEAD ON TOP OF LAYER 4 | 0.120 | |
| MAXIMUM HEAD ON TOP OF LAYER 4 | 0.254 | |
| LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN) | 0.0 FEET | |
| PERCOLATION/LEAKAGE THROUGH LAYER 5 | 0.000095 | 5.04583 |
| SNOW WATER | 0.00 | 0.0000 |
| MAXIMUM VEG. SOIL WATER (VOL/VOL) | | 0.2039 |
| MINIMUM VEG. SOIL WATER (VOL/VOL) | | 0.0755 |

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
 by Bruce M. McEnroe, University of Kansas
 ASCE Journal of Environmental Engineering
 Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 6

| LAYER | (INCHES) | (VOL/VOL) |
|------------|----------|-----------|
| 1 | 1.1549 | 0.2887 |
| 2 | 1.8645 | 0.1036 |
| 3 | 0.0237 | 0.0473 |
| 4 | 0.0000 | 0.0000 |
| 5 | 2.7792 | 0.1158 |
| SNOW WATER | 0.000 | |

APPENDIX C

Settlement Calculations



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COMPUTATION SHEET

SHEET NO. 1

TITLE OF PROJECT OR STUDY GARDENA LANDFILL

SUBJECT SETTLEMENT ANALYSIS

COMPUTER RAB DATE 11-11-98 CHECKED BY _____ DATE CHECKED _____ 19____

- A. ESTIMATE SETTLEMENTS NEAR CENTER OF LANDFILL DUE TO PLACEMENT OF ADDITIONAL FILL AND CAP. GREATER AMOUNTS OF FILL ARE REQUIRED AT THE CENTER. BASED ON AVAILABLE LITERATURE, EQUATIONS USED IN SOIL CONSOLIDATION THEORY IS WIDELY USED TO ESTIMATE SETTLEMENT OF MUNICIPAL SOLID WASTE (MSW) LANDFILLS. THIS APPROACH REQUIRES A SEPARATION OF PRIMARY & SECONDARY SETTLEMENTS. PRIMARY SETTLEMENT IS A TERM GENERALLY USED TO DESCRIBE THE RAPID MECHANICAL SETTLEMENT DUE TO THE WEIGHT OF THE MSW MATERIAL ITSELF & THE WEIGHT APPLIED ABOVE IT. SECONDARY SETTLEMENT IS TIME DEPENDENT & GENERALLY IS USED TO DESCRIBE LONG-TERM CREEP, PHYSICOCHEMICAL REACTIONS & BIODEGRADATION. THE SECONDARY SETTLEMENT IS USUALLY ASSUMED TO BE INDEPENDENT OF LOAD.

THE ATTEMPT TO ACCESS & ESTIMATE SETTLEMENT OF THE LANDFILL IS AN ESTIMATE, AT BEST. THE PROCESS OF LANDFILL WASTE SETTLEMENT IS COMPLEX DUE TO THE VARIATION OF THE WASTE COMPOSITION, I.E., THE HIGHLY VARIABLE CHANGES IN MATERIAL PROPERTIES. THIS EVALUATION DOES NOT INCLUDE THE FOLLOWING POTENTIAL SETTLEMENTS, SINCE THEY WOULD OCCUR REGARDLESS OF FILL/CAP PLACEMENT:

- DETERIORATION & COLLAPSE OF OBJECTS IN WASTE DIRECTLY BELOW COVER SYSTEM
- SETTLEMENT DUE TO HIGHLY COMPRESSABLE ZONES OF WASTE.



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SHEET NO. 2

TITLE OF PROJECT OR STUDY GARDENA LANDFILL

SUBJECT SETTLEMENT ANALYSIS

COMPUTER RHB

DATE 1

CHECKED BY _____

DATE CHECKED _____

19 _____

B. PROFILE MODEL

LANDFILL THICKNESS: REFUSE THICKNESS, EXISTING OVER BURDEN SOIL THICKNESS AND THICKNESS OF FILL/CAP WERE REVIEWED AT LOCATIONS SV-6, 7, 8 & 11, AND ARE SUMMARIZED AS FOLLOWS:

| | SV-6 | SV-7 | SV-8 | SV-11 |
|------------------------------------|------|------|------|-------|
| REFUSE THICKNESS (ft) | 21.0 | 24.0 | 24.5 | 27.0 |
| EXISTING OVERBURDEN THICKNESS (ft) | 8.0 | 6.0 | 4.5 | 5.0 |
| THICKNESS OF NEW FILL/CAP (ft) | 10.0 | 12.5 | 12.5 | 7.0 |

FOR ANALYSIS PURPOSES, USE: REFUSE THICKNESS = 24'
EXISTING O.B. THICK. = 6'
THICKNESS OF FILL/CAP = 12.5' (MAXIMUM LOAD)

LANDFILL MATERIAL UNIT WEIGHT:

REFUSE MATERIAL: TYPICAL RANGE IS 55-75 PCF, USE $\gamma = 70$ pcf

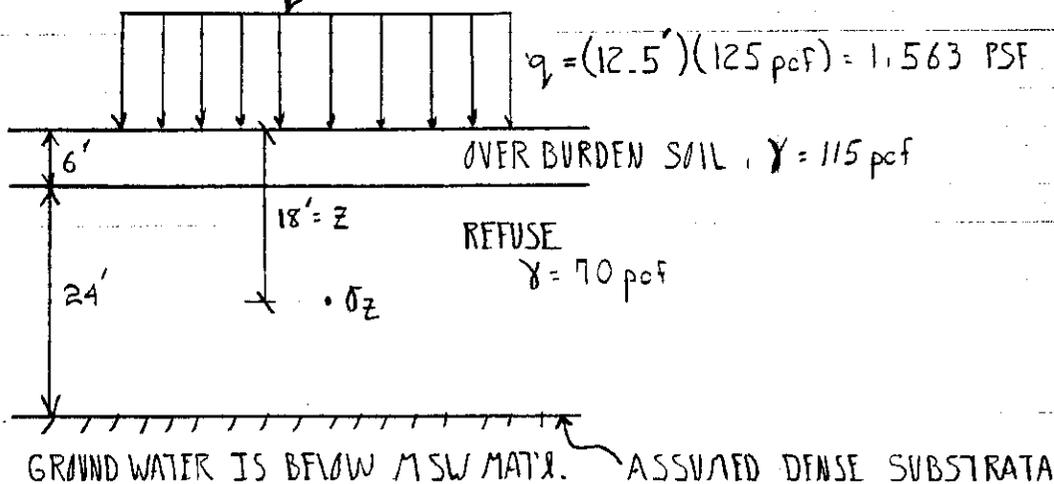
EXISTING OVERBURDEN MATERIAL: COMPACT SURFACE PRIOR TO FILLING, SAY USE $\gamma = 115$ PCF.

NEW FILL/CAP: ASSUME FILL IS MOSTLY SOIL & COMPACTED DURING PLACEMENT, SAY $\gamma = 125$ pcf.

LOADING MODEL: WILL USE INFLUENCE VALUES FOR VERTICAL STRESSES IN SEMI-INFINITE MASS DUE TO EMBANKMENT LOADING, PER OSTERBERG.

PROFILE MODEL: $l = 300'$
NEW FILL/CAP SURCHARGE LOAD, $\gamma = 125$ pcf

l = WIDTH OF LANDFILL ON FLAT SLOPES





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SHEET NO. 3

TITLE OF PROJECT OR STUDY GARDENA LANDFILL

SUBJECT SETTLEMENT ANALYSIS

COMPUTER RHB

DATE _____

CHECKED BY _____

DATE CHECKED _____

19 _____

C. PRIMARY SETTLEMENT ESTIMATE

ONE DIMENSIONAL COMPRESSION MODEL :-

$$\Delta H = \left(\frac{C_c}{1 + e_0} \right) H \log \left(1 + \frac{\Delta \sigma}{\sigma_0} \right)$$

ΔH = SETTLEMENT

$\left(\frac{C_c}{1 + e_0} \right)$ = MODIFIED COMPRESSION INDEX

H = INITIAL HEIGHT OF WASTE

$\Delta \sigma$ = ADDITIONAL VERTICAL STRESS APPLIED TO WASTE

σ_0 = INITIAL OVERBURDEN STRESS ON WASTE

BASED ON RESEARCH PRESENTED IN AVAILABLE LITERATURE, THE PARAMETER $\left(\frac{C_c}{1 + e_0} \right)$ IS REPORTED TO RANGE FROM 0.05 TO 0.4 FOR MSW LANDFILLS.

THIS VALUE APPEARS TO BE DEPENDENT ON AGE OF LANDFILL, AMOUNTS OF SOIL WITHIN LANDFILL MASS, COMPACTION EFFORT DURING WASTE PLACEMENT, etc.
THE RANGE OF VALUES ARE BASED ON SETTLEMENT DATA OF ACTUAL LANDFILLS.

DETERMINATION OF SETTLEMENT FOR A RANGE OF $\left(\frac{C_c}{1 + e_0} \right)$:

$$\sigma_0 = 6' (115 \text{ PCF}) + 12' (70 \text{ PCF}) = 1,530 \text{ PSF}$$

PRESSURE DISTRIBUTION

BASED ON MODEL-LOADING, USING INFL. FACTOR CHART (FIG 3.16) AFTER OSTERBERG:

$$\frac{b}{z} = \frac{150'}{18'} = 8.3 \rightarrow \infty \quad \frac{a}{z} \rightarrow 0 \quad \therefore I = 0.5$$

$$\sigma_z = 2 I q = 2 (0.5) (1,563 \text{ PSF}) = 1,563 \text{ PSF} \quad , \text{ No load reduction @ } z = 18'$$



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SHEET NO. 4

TITLE OF PROJECT OR STUDY GARDENA LANDFILL

SUBJECT SETTLEMENT ANALYSIS

COMPUTER RHB

DATE _____

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DATE CHECKED _____

19____

SETTLEMENT CALCULATIONS

$$\Delta H = \left(\frac{C_c}{1 + e_0} \right) H \text{ LOG} \left(1 + \frac{\Delta \sigma}{\sigma_0} \right)$$

$$\Delta H = \left(\frac{C_c}{1 + e_0} \right) (24') \text{ LOG} \left(1 + \frac{1,563 \text{ psf}}{1,530 \text{ psf}} \right) (12 \text{ in/ft})$$

$$\Delta H = 88 \left(\frac{C_c}{1 + e_0} \right)$$

| $\frac{C_c}{1 + e_0}$ | ESTIMATED PRIMARY SETTLEMENT (in.) |
|-----------------------|------------------------------------|
| 0.1 | 8.8" |
| 0.2 | 17.6" |
| 0.3 | 26.4" |
| 0.4 | 35.2" |

(but not all)

SAY TOTAL SETTLEMENTS MAY RANGE FROM 1' TO 3'. MOST OF THE PRIMARY SETTLEMENTS SHOULD BE BUILT OUT WITHIN THE FIRST 3 TO 6 MONTHS AFTER PLACEMENT OF THE FILL & CAP.

CONCLUSIONS DRAWN FROM SETTLEMENT ANALYSIS

- Total Primary Settlements
- SETTLEMENTS IN THE RANGE OF 1' TO 3' SHOULD BE ANTICIPATED DUE TO PLACEMENT OF FILL & CAP. SETTLEMENT WILL BEGIN AS SOON AS FILL PLACEMENT BEGINS & WILL CONTINUE AFTER INSTALLATION OF THE CAP.
 - DUE TO THE POTENTIALLY HIGH PRIMARY SETTLEMENT, IT IS STRONGLY RECOMMENDED THAT TWO SETTLEMENT PERIODS BE IMPLEMENTED INTO THE SPECIFICATIONS. THE FIRST SETTLEMENT PERIOD SHOULD OCCUR AFTER PLACEMENT OF THE 2' FOUNDATION FILL LAYER, AND PRIOR TO PLACEMENT OF GCL. THE SECOND SETTLEMENT PERIOD SHOULD BE IMPLEMENTED AFTER PLACEMENT OF THE 18" CRUSHED STONE LAYER, AND PRIOR TO PLACEMENT OF ASPHALT PAVING. SETTLEMENT SHOULD BE MONITORED USING SETTLEMENT PLATES DURING EACH SETTLEMENT PERIOD, TO VERIFY THAT THE PRIMARY SETTLEMENTS ARE MOSTLY BUILT-OUT, PRIOR TO PLACEMENT OF THE SUBSEQUENT LAYERS. PURPOSE OF SETTLEMENT PERIODS:
 - IMPLEMENTATION OF THE FIRST SETTLEMENT PERIOD WILL PRECLUDE UNNECESSARY ANGULAR DISTORTIONS OF GCL DUE TO DIFFERENTIAL SETTLEMENTS.
 - ANY PILES DRIVEN/PLACED THROUGH LANDFILL SHOULD BE DRIVEN/PLACED AFTER SETTLEMENT PERIOD 1 TO MINIMIZE NEGATIVE SKIN FRICTION.



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SHEET NO. 5

TITLE OF PROJECT OR STUDY GARDENA LANDFILL

SUBJECT SETTLEMENT ANALYSIS

COMPUTER RHB DATE _____ CHECKED BY _____ DATE CHECKED _____ 19 _____

- PLACEMENT OF ASPHALT PAVEMENT SHOULD BE PERFORMED AFTER SETTLEMENT PERIOD 2 TO MINIMIZE CRACKING OF ASPHALT DUE TO PRIMARY SETTLEMENTS.
- FINAL GRADE SLOPES (i.e., 2% SLOPES) SHOULD BE REESTABLISHED AFTER BOTH SETTLEMENT PERIODS TO MINIMIZE POTENTIAL FOR LOW AREAS ON THE CAP CAUSED BY SECONDARY CONSOLIDATION.



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SHEET NO. 6

TITLE OF PROJECT OR STUDY GARDENA LANDFILL

SUBJECT SETTLEMENT ANALYSIS

COMPUTER RHD

DATE _____

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DATE CHECKED _____

19 _____

D. SECONDARY SETTLEMENT ESTIMATE

ONE DIMENSIONAL COMPRESSION MODEL

$$\Delta H_s = \left(\frac{C_\alpha}{1+e_0} \right) H_1 \log \frac{t_2}{t_1}$$

$$\left(\frac{C_\alpha}{1+e_0} \right) = C'_\alpha = \text{MODIFIED SECONDARY COMPRESSION INDEX}$$

H_1 = HEIGHT OF REFUSE @ t_1

t_2 = TIME AFTER CAP INSTALLED

t_1 = TIME FOR PRIMARY COMPRESSION, SAY 0.5 years

C'_α TYPICAL VALUES RANGE FROM 0.01 TO 0.1. USE AVERAGE OF $C'_\alpha = 0.05$

$$\Delta H_s = (0.05)(24') \log \left(\frac{t_2}{0.5 \text{ yr}} \right)$$

| t_2 (years) | ΔH_s |
|---------------|--------------|
| 10 YR | 1.6' |
| 25 YR | 2.1' |
| 50 YR | 2.4' |

LONGTERM SECONDARY SETTLEMENT OF THE LANDFILL WILL OCCUR. OBVIOUSLY, LONG TERM MAINTENANCE WILL MOST LIKELY BE REQUIRED OF THE ASPHALT PAVEMENT DUE TO DIFFERENTIAL SECONDARY SETTLEMENT.

OVER THE WIDTH OF THE LANDFILL ALONG THE PROPOSED 2% GRADING, ASSUMING THE OUTER EDGE OF THE 2% SLOPE DOES NOT SETTLE, THE CENTER CAN SETTLE $\sim 3'$ ($2\% \times 150'$) BEFORE PONDING BECOMES A GREAT CONCERN.

$$t_{50 \text{ yr}} = 2.4' < 3' \text{ O.K.}$$

LARGE SCALE PONDING SHOULD NOT OCCUR.

APPENDIX D

Landfill Cap/Slope Stability Calculations



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SHEET NO. 1

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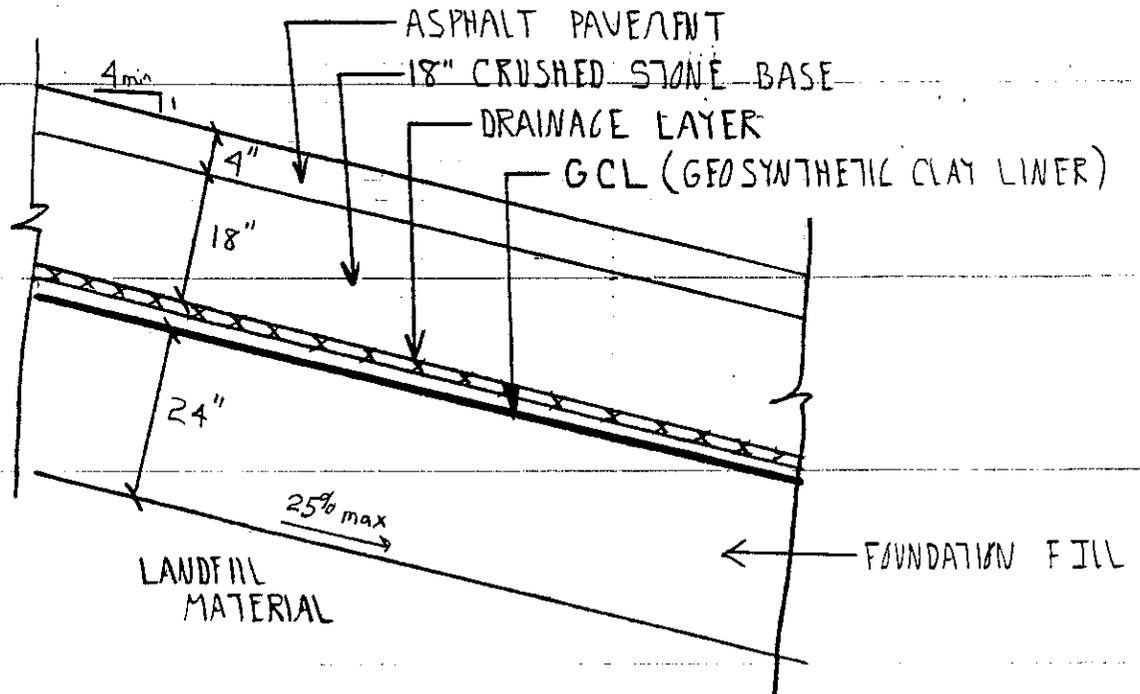
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I. CAP CROSS-SECTION



MATERIAL FUNCTION

1. ASPHALT : PER RAP, INITIAL HYDRAULIC BARRIER AND PARKING LOT SURFACE
2. CRUSHED STONE BASE : COVER PROTECTION OF UNDERLYING GEOSYNTHETICS & BASE FOR PAVEMENT (SEE RAP)
3. DRAINAGE LAYER : PROVIDES DRAINAGE OF SURFACE INFILTRATION (IF ASPHALT IS NOT INITIALLY INSTALLED AND/OR ASPHALT & GRADING IS NOT MAINTAINED). COMPOSITED W/ GEOTEXTILE TO INHIBIT OVERLYNG SOIL PARTICLE INTRUSION INTO GEONET, AND TO PROVIDE STABILITY AGAINST SLIDING.
4. GCL : SECONDARY HYDRAULIC BARRIER.



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II. APPLIED LOADS TO CAP (DL + LL)

A. DEADLOAD (WEIGHT OF SOIL / GEOSYNTHETICS)

$$\gamma_{\text{Stone Base}} = 135 \text{ PCF}$$

$$\gamma_{\text{asphalt}} = 145 \text{ PCF}$$

GEOSYNTHETICS: NEGLIGABLE

B. TRACKED DOZER (LIVE LOAD)

ASSUME ^{max.} D5C SERIES III, GROUND PRESSURE 6.11 PSI, SHOE WIDTH = 18";
CONTACT AREA 3,039 in²

$$\text{STATIC LOAD} = 6.11 \text{ psi} \times 144 \text{ in}^2/\text{ft}^2 = 879.8 \text{ PSF}$$

$$\text{TOTAL - STATIC LOAD + DYNAMIC, SAY } 880 + 0.3(880)$$

$$P_D = 1,144 \text{ PSF}$$

A MINIMUM 12" COVER WILL BE KEPT BETWEEN DOZER & GEOSYNTHETICS, RESULTING IN A LOWER VALUE REALIZED BY GEOSYNTHETICS DUE TO PRESSURE DISTRIBUTION OF LOADS. HOWEVER, USE $P_D = 1,144 \text{ PSF}$ TO BE CONSERVATIVE.

C. SMOOTH-WHEELED ROLLER (LIVE LOAD)

ASSUME MODEL CP-433 B (102 HP)

HIGH AMPLITUDE CENTRIFUGAL FORCE = 28,000 LBS

ASSUME DRUM TO SOIL CONTACT AREA = 5.5' x 1.5' = 8.25 FT²

$$\text{MAX. LOAD} = \frac{28,000 \text{ LBS}}{8.25} = 3,394 \text{ PSF}$$

DETERMINE PRESSURE ON GEOSYNTHETICS WITH ONE FOOT OF MATERIAL COVER:
(PER BOUSINEQ STRESS DISTRIBUTION)

$$B = 0.75', L' = 2.75', Z = 1.0' \quad M = \frac{B}{Z} = 0.75 \quad N = \frac{L'}{Z} = 2.75 \quad \therefore I = 0.1770$$

$$P_R = 4(0.1770)(3,394 \text{ PSF}) = 2,403 \text{ PSF}$$

$$P_{R,1} = 2,403 \text{ PSF} > P_{\text{dozer}}$$

DETERMINE PRESSURE ON GEOSYNTHETICS WITH 1.5' OF MATERIAL COVER:

$$B = 0.75', L' = 2.75', Z = 1.5' \quad M = \frac{B}{Z} = 0.5 \quad N = \frac{L'}{Z} = 1.833 \quad \therefore I = 0.1334$$

$$P_R = 4(0.1334)(3,394 \text{ PSF}) = 1,811 \text{ PSF}$$

$$P_{R,1.5'} = 1,811 \text{ PSF}$$

Bowles
4th ed.,
PP 248-250



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D. MAXIMUM DESIGN LOAD

MAXIMUM LOADS OCCUR DURING CONSTRUCTION. THE HIGHEST STRESSES FELT ON GEOSYNTHETICS WILL OCCUR ON THE 4:1 SLOPES DURING ANY ROLLING OPERATION.

- MAXIMUM LOADS w/ DOZER (WITH ONE FOOT COVER)

$$P_{max} = \underset{\text{(Soil)}}{DL} + \underset{\text{(Equip)}}{LL} = (1')(135 \text{ PCF}) + 1,144 \text{ PSF}$$

$$P_{max} = 1,279 \text{ PSF} \quad \text{SAY } \underline{P_{max} = 1,280 \text{ PSF}} \quad (\text{DOZER LOAD w/ 1' COVER})$$

- MAXIMUM LOADS w/ ROLLER (WITH ONE FOOT COVER)

$$P_{max} = (1')(135 \text{ PCF}) + 2,403 \text{ PSF}$$

$$= 2,538 \text{ PSF} \quad \text{SAY } \underline{P_{max} = 2,540 \text{ PSF}} \quad (\text{ROLLER LOAD w/ 1' COVER})$$

- MAXIMUM LOADS w/ ROLLER (WITH 1.5' COVER)

$$P_{max} = (1.5')(135 \text{ PCF}) + 1,811 \text{ PSF}$$

$$= 2,013.5 \text{ PSF} \quad \text{SAY } \underline{P_{max} = 2,015 \text{ PSF}} \quad (\text{ROLLER w/ 1.5' COVER})$$



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III. MINIMUM FRICTION ANGLE PROPERTIES OF CAP

ASSUME AT THIS POINT, INFINITE SLOPE ANALYSIS WITH $F_s = 1.3$ FOR SLIDING. THE $F_s = 1.3$ IS BASED ON USING RESIDUAL SHEAR STRENGTH PARAMETERS.

MIN. REQUIRED FRICTION ANGLE PROPERTIES FOR SOIL & GEOSYNTHETIC INTERFACES IS AS FOLLOWS:

$$F_s = \frac{\tan \phi}{\tan i} \quad \phi_{req'd} = \delta_{req'd} = \tan^{-1} (1.3 \times 0.25) \quad \text{WHERE } \tan i = 0.25 \text{ (4:1 slope, max)}$$

$$\underline{\phi_{req'd} = \delta_{req'd} = 18.0^\circ}$$

(internal)

OBTAINING $\phi_d \geq 18^\circ$ FOR SOIL MATERIALS WILL BE NO PROBLEM. HOWEVER, INTERFACE FRICTION CHARACTERISTICS OF GEOSYNTHETIC INTERFACES NEEDS REVIEW FOR GEOSYNTHETIC DESIGN.

"GEONET TO NONWOVEN (NW) GEOTEXTILE" INTERFACES AND "GEONET TO GCL" INTERFACES TYPICALLY HAVE RESIDUAL FRICTION ANGLES OF LESS THAN 18° , WHICH IS UNACCEPTABLE.

THEREFORE, RECOMMEND USING A DRAINAGE LAYER GEOCOMPOSITE. THE GEOCOMPOSITE INCLUDES A HDPE GEONET SANDWICHED BY A NONWOVEN GEOTEXTILE ON TOP & BOTTOM. THE GEOTEXTILES WOULD BE HEAT BONDED TO THE GEONET ON TOP & BOTTOM, THUS ELIMINATING POTENTIAL SLIP SURFACE AT THE GEONET INTERFACE. THE COMPOSITE BOTTOM GEOTEXTILE PROVIDES IMPROVED FRICTION CHARACTERISTICS WITH THE GCL.

FOR ANALYSIS PURPOSES, ASSUME THE FOLLOWING CAP MATERIALS & INTERFACES:

| <u>MATERIAL/INTERFACE</u> | <u>$\phi_d / \delta_{residual}$</u> |
|--|--|
| • CRUSHED STONE BASE (INTERNAL) | 38° |
| • CRUSHED STONE TO GEOCOMPOSITE | 30° (SATURATED) |
| • GEOCOMPOSITE TO GCL (hydrated) | 18° (SATURATED) |
| • GCL ^(hydrated) TO FOUNDATION SOIL LAYER | 24° |

THE ABOVE ASSUMED FRICTION ANGLES ARE BASED ON PREVIOUS PROJECTS AND PUBLISHED LITERATURE.



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IV SLIDING STABILITY OF CAP LAYERS - INFINITE SLOPE ANALYSIS. (Static)

$$F_s = \frac{\tan \phi}{\tan i} \text{ FOR COHESIONLESS SOIL ANALYSIS FOR 4:1 MAX. SLOPES.}$$

A. CRUSHED STONE BASE (INTERNAL)

$$F_s = \frac{\tan 38^\circ}{0.25} = 3.1 > 1.3 \quad \checkmark \text{OK}$$

B. CRUSHED STONE BASE TO GEOCOMPOSITE DRAINAGE LAYER (INTERFACE)

$$F_s = \frac{\tan 30^\circ}{0.25} = 2.3 > 1.3 \quad \checkmark \text{OK}$$

C. GEOCOMPOSITE DRAINAGE LAYER TO GCL (INTERFACE)

$$F_s = \frac{\tan 18^\circ}{0.25} = 1.3 = F_{s \text{ min.}} \quad \checkmark \text{OK}$$

(versus woven side)

TO ENHANCE FRICTION CHARACTERISTICS, PLACE NONWOVEN SIDE OF GCL UP, RESULTING IN A NONWOVEN TO NONWOVEN INTERFACE.

USE EQUIVALENT OF CETCO ST (WITH NONWOVEN UP & WOVEN DOWN).

D. GCL TO FOUNDATION SOIL LAYER

WOVEN SIDE OF CETCO ST MATERIAL IS AGAINST FOUNDATION SOIL.

$$F_s = \frac{\tan 24^\circ}{0.25} = 1.78 \quad \checkmark \text{OK}$$

E. FOUNDATION SOIL LAYER

$$\tan \phi_{\text{min}} = F_{s \text{ min}} \tan i$$

$$\phi_{\text{min}} = \tan^{-1}(1.3 \times 0.25)$$

$\phi_{\text{min}} = 18^\circ$ ANY REASONABLY COMPACTED GRANULAR MATERIAL WILL BE ADEQUATE.

SLOPE STABILITY ANALYSIS OF CAP SYSTEM (STATIC) INCLUDING TOE BUTTRESSING & RUN-OUT AT SLOPE CREST WILL BE PERFORMED LATER.



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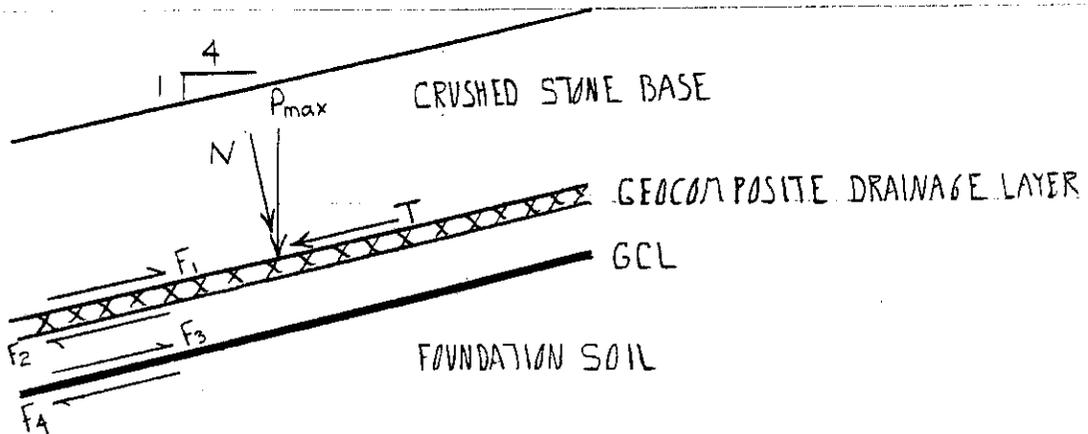
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V. CHECK TENSIVE FORCES APPLIED TO GEOSYNTHETICS (DUE TO LOCALIZED MOBILIZATION OF FORCES DUE TO LOCALIZED SLIDING ^{Friction})
 Tensile
 MAXIMUM LOADING OF GEOSYNTHETICS WILL OCCUR ON THE 4:1 SLOPES DUE TO EQUIPMENT LOADING.

MODEL OF STRESSES UNDER NORMAL LOAD (ON 4:1 SLOPE)



THERE ARE SEVERAL LOADING CONDITIONS:

$P_{max} = 1,280$ PSF (D5C DOZER w/ 1' COVER)

$P_{max} = 2,540$ PSF (CP-433 ROLLER w/ 1' COVER)

$P_{max} = 2,015$ PSF (CP-433 ROLLER w/ 1.5' COVER)

A. CHECK GEOCOMPOSITE DRAINAGE LAYER

FOR PN-3000 CORE FOR GEOCOMPOSITE (NSC), TENSILE STRENGTH (ASTM D5035) IS 45 PPI.

SINCE THE ACTUAL LOADING IS QUICK & NOT LONG-TERM, INCREASE ALLOWABLE BY $\frac{1}{3}$ (33%).

$$\sigma_{Allow} (45 \text{ PPI}) (12 \text{ in/ft}) (1.333) = 720 \text{ PPF}$$



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V.A. 1.) FOR ROLLER LOADING w/ 1' COVER

$$P_{max} = 2,540 \text{ PSF} \quad N = (2,540 \text{ PSF}) \cos 14.04$$

$$N = 2,464 \text{ PSF} \quad T = 2,540 \sin 14.04 = 616 \text{ psf}$$

FOR GEOTEXTILE TO CRUSHED STONE INTERFACE:

$$F_1 = N \tan \delta_1 = (2,464 \text{ PSF}) \tan 30^\circ$$

$$F_1 = 1,423 \text{ PPF}$$

FOR GEOTEXTILE TO GCL INTERFACE:

$$F_2 = N \tan \delta_2 = (2,464 \text{ PSF}) \tan 18^\circ$$

$$F_2 = 801 \text{ PPF}$$

$$\text{GEOTEXTILE TENSILE STRESS} = \sigma_{act} = F_1 - F_2 = 1,423 - 801 = 622 \text{ PPF}$$

$$F_s = \frac{\sigma_{allow}}{\sigma_{act}} = \frac{720 \text{ PPF}}{622 \text{ PPF}} = 1.16 < 1.3 \quad \text{LOAD IS TOO HIGH}$$

2) FOR ROLLER LOADING w/ 1.5' COVER

$$P_{max} = 2,015 \text{ PSF} \quad N = 2,015 \text{ PSF} \times \cos 14.04 \quad N = 1,955 \text{ PSF}$$

$$F_1 = N \tan \delta_1 = 1,955 \times \tan 30 = 1,129 \text{ PPF}$$

$$F_2 = N \tan \delta_2 = 1,955 \times \tan 18 = 636 \text{ PPF}$$

$$\sigma_{act} = F_1 - F_2 = 1,129 - 636 = 493 \text{ PPF}$$

$$F_s = \frac{720 \text{ PPF}}{493 \text{ PPF}} = 1.5 > 1.3 \quad \text{OK}$$

3) RESULT. DO NOT USE LARGE ROLLER ON 4:1 SLOPES UNTIL FINAL LIFT OF CRUSHED STONE. USE TRACK OF DOZER TO COMPACT FIRST 12" LIFT ON GEOSYNTHETICS, ON 4:1 SLOPES.

B. CHECK GCL COMPONENT (for roller w/ 1.5' cover)

$$F_3 = F_2 = 636 \text{ PPF}$$

$$F_4 = 1,955 (\tan 24) = 871 \text{ PPF}$$

$F_4 > F_3$ THEREFORE, THERE IS NO TENSION IN GCL.



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VI. CHECK CRUSH STRENGTH OF GEOCOMPOSITE

FOR $P_{max} = 2,540$ PSF (ROLLER w/ 1' COVER)
= 17.64 psi

$$\sigma_{allow} = 1.5 (17.64) = 26.5 \text{ psi.}$$

PN-3000 GEONET FROM PAST EXPERIENCE HAS A $\sigma_{allow} > 100$ PSI,
THEREFORE, ^{damage causing} FLATTENING OF FLOW CHANNELS
SHOULD NOT BE A PROBLEM.



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VII. SLOPE STABILITY ANALYSIS OF CAP

GIRDUD & BEECH (1989) PROPOSED A LE METHOD FOR COVER SABILITY WHICH ASSUMES THAT RESISTANCE TO FAILURE OF A MAS IS PROVIDED BY A MOBILIZED RESISTANCE @

- THE TOE OF SLOPE DUE TO PASSIVE EARTH PRESSURE (TOE DUTTRESSING)
- INTERFACE ALONG SLIDING SURFACE
- TENSIVE FORCES TAKE-UP BY GEOSYNTHETICS

THEY DEVELOPED THE FOLLOWING EQUATION (FOR $c=0$):

$$FS = \frac{\tan \phi_i}{\tan B} + \frac{T_c}{H} \frac{\sin \phi_c}{\sin 2B \cos(B + \phi_c)} + \frac{\alpha}{\gamma_c H T_c}$$

H = HEIGHT OF SOIL COVER

ϕ_c = FRICTION ANGLE OF COVER SOIL

α = TENSION IN GEOSYNTHETICS

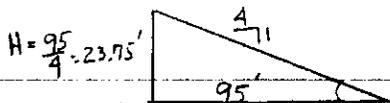
T_c = THICKNESS OF SOIL COVER ABOVE CRITICAL SURFACE

γ_c = UNIT WEIGHT OF COVER SOIL

B = SLOPE

ϕ_i = CRITICAL INTERFACE FRICTION ANGLE

FOR GARDENA, THE MOST CRITICAL SURFACE IS ALONG THE GEOCOMPOSITE & GCL INTERFACE. THE LOWEST 4:1 SLOPE IS APPROXIMATELY 95' AT THE CENTER AREA OF THE NORTH SLOPE.



THE FOLLOWING VALUES ARE USED:

H = SAY 24', B = 14.04°, $\phi_i = 18^\circ$, $\phi_c = 38^\circ$, $T_c = 1.83'$, $\gamma_c = 135$ PCF

$\alpha = 45$ PPI FOR GEONET (ASSUMING IT IS RUN-OVT ENOUGH PAST CREST.)

$$FS = \frac{\tan 18}{\tan 14.04} + \left(\frac{1.83}{24'} \right) \left(\frac{\sin 38}{\sin(2 \times 14.04) \cos(14.04 + 38)} \right) + \frac{(45 \text{ PPI})(12 \text{ "/math>$$

$$FS = 1.30 + 0.16 + 0.09$$

$$FS = 1.55 > 1.3 \text{ OK}$$



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KOERNER & HWU (1991) ALSO PROPOSED A LE METHOD FOR COVER STABILITY. THIS ANALYSIS DOES NOT INCLUDE RESISTANCE DUE TO GEO SYNTHETIC TENSION.

$$FS = \frac{B + \sqrt{B^2 - 4AC}}{2A} \quad \text{WHERE:}$$

$$A = 0.5 \gamma_c \frac{H}{\sin B} T_c \sin^2(2B)$$

$$B = \gamma_c \frac{H}{\sin B} T_c \cos^2 B \tan \phi_c \sin 2B + 2 \gamma_c H T_c \tan \phi_c \sin^2 B \cos B + \gamma_c T_c^2 \tan \phi_c$$

$$C = (\gamma_c T_c \cos B \tan \phi_c) (H \tan \phi_c \sin 2B)$$

FOR GARDENA:

$$A = (0.5)(135 \text{ PCF}) \left(\frac{24'}{\sin 14.04} \right) (1.83') \sin^2(2 \times 14.04) = \underline{2,706.90}$$

$$B = (135 \text{ PCF}) \left(\frac{24'}{\sin B} \right) (1.83') \cos^2 B \tan(18^\circ) \sin 2B$$

$$+ 2(135 \text{ pcf})(24')(1.83') \tan(38^\circ) \sin^2 B \cos B + (135 \text{ pcf})(1.83')^2 \tan 38^\circ$$

$$B = 3,518.10 + 528.72 + 353.22$$

$$B = \underline{4,400.04}$$

$$C = (135 \text{ PCF})(1.83') \cos B \tan(18^\circ)(24') \tan 38^\circ \sin 2B$$

$$C = 687.16$$

$$FS = \frac{4,400.04 + \sqrt{(4,400.04)^2 - 4(2,706.90)(687.16)}}{2(2,706.90)}$$

$$\underline{FS = 1.45} > 1.3 \checkmark \text{ OK}$$

PROPOSED CAP ON 4:1 SLOPES ARE STABLE (STATIC).
DYNAMIC ANALYSIS NOT REQ'D SINCE SLOPES ARE LESS THAN 3:1.

APPENDIX E

Landfill Gas Production Estimates

Landfill Gas Production Rate

The total amount of landfill gas produced is given by the following first order decay model. This equation is only applicable for sites with unknown year-year solid waste acceptance rate. (40 CFR part 60.755)

$$LFG = 2 \times L_o \times R \times [e^{-kc} - e^{-kt}]$$

| | | |
|--|--------------|--|
| t (yrs) | 42 | Time since landfill opened (yrs) (1998 - 1956) |
| c (yrs) | 39 | Time since landfill closure (yrs) (1998 - 1959) |
| Density, lb/yd ³ | 1200 | (Assume) |
| Operation time from Nov 1956 to Oct 1959 | | |
| Volume of trash, yd ³ | 440125 | |
| R (lb/yr) | 1.76E+08 | Average annual waste acceptance rate during active life. |
| Lo (cf/lb) | 2.25 to 2.88 | 2.72 Total methane generation potential of waste |
| k (1/yr) | 0.02 to 0.1 | 0.05 Rate of methane generation |

| Years | t | c | e ^{^(-kc)} | e ^{^(-kt)} | LFG (cf/yr) | Date | LFG (cfm) |
|-------|----|----|---------------------|---------------------|-------------|------|-----------|
| 0 | 42 | 39 | 0.142274 | 0.122456 | 18979595 | 1998 | 36.1 |
| 1 | 43 | 40 | 0.135335 | 0.116484 | 18053949 | 1999 | 34.3 |
| 2 | 44 | 41 | 0.128735 | 0.110803 | 17173448 | 2000 | 32.7 |
| 3 | 45 | 42 | 0.122456 | 0.105399 | 16335889 | 2001 | 31.1 |
| 4 | 46 | 43 | 0.116484 | 0.100259 | 15539178 | 2002 | 29.6 |
| 5 | 47 | 44 | 0.110803 | 0.095369 | 14781323 | 2003 | 28.1 |
| 6 | 48 | 45 | 0.105399 | 0.090718 | 14060430 | 2004 | 26.8 |
| 7 | 49 | 46 | 0.100259 | 0.086294 | 13374694 | 2005 | 25.4 |
| 8 | 50 | 47 | 0.095369 | 0.082085 | 12722403 | 2006 | 24.2 |
| 9 | 51 | 48 | 0.090718 | 0.078082 | 12101924 | 2007 | 23.0 |
| 10 | 52 | 49 | 0.086294 | 0.074274 | 11511706 | 2008 | 21.9 |
| 11 | 53 | 50 | 0.082085 | 0.070651 | 10950274 | 2009 | 20.8 |
| 12 | 54 | 51 | 0.078082 | 0.067206 | 10416222 | 2010 | 19.8 |
| 13 | 55 | 52 | 0.074274 | 0.063928 | 9908217.3 | 2011 | 18.9 |
| 14 | 56 | 53 | 0.070651 | 0.06081 | 9424987.9 | 2012 | 17.9 |
| 15 | 57 | 54 | 0.067206 | 0.057844 | 8965325.8 | 2013 | 17.1 |
| 16 | 58 | 55 | 0.063928 | 0.055023 | 8528081.7 | 2014 | 16.2 |
| 17 | 59 | 56 | 0.06081 | 0.05234 | 8112162.2 | 2015 | 15.4 |
| 18 | 60 | 57 | 0.057844 | 0.049787 | 7716527.4 | 2016 | 14.7 |
| 19 | 61 | 58 | 0.055023 | 0.047359 | 7340187.9 | 2017 | 14.0 |
| 20 | 62 | 59 | 0.05234 | 0.045049 | 6982202.7 | 2018 | 13.3 |
| 21 | 63 | 60 | 0.049787 | 0.042852 | 6641676.7 | 2019 | 12.6 |
| 22 | 64 | 61 | 0.047359 | 0.040762 | 6317758.3 | 2020 | 12.0 |
| 23 | 65 | 62 | 0.045049 | 0.038774 | 6009637.6 | 2021 | 11.4 |
| 24 | 66 | 63 | 0.042852 | 0.036883 | 5716544.1 | 2022 | 10.9 |
| 25 | 67 | 64 | 0.040762 | 0.035084 | 5437745 | 2023 | 10.3 |
| 26 | 68 | 65 | 0.038774 | 0.033373 | 5172543 | 2024 | 9.8 |
| 27 | 69 | 66 | 0.036883 | 0.031746 | 4920275.1 | 2025 | 9.4 |
| 28 | 70 | 67 | 0.035084 | 0.030197 | 4680310.5 | 2026 | 8.9 |
| 29 | 71 | 68 | 0.033373 | 0.028725 | 4452049 | 2027 | 8.5 |
| 30 | 72 | 69 | 0.031746 | 0.027324 | 4234920 | 2028 | 8.1 |

APPENDIX F

LFG Collection System - Design Calculations

Pressure Drop and Velocity Calculations

The procedure used to design the gas extraction system with the spitzglass formula can be found in "Design, Construction, and Monitoring of Landfills," Amalendu Bagchi, 2nd Edition, John Wiley & Sons, Inc.

The gas collection header pressure drop is calculated by the spitzglass formula.

The Spitzglass Equation is given by:

$$Q = 59.167 \times K \times \sqrt{\frac{P}{G \times L}}$$

Where Q = Volumetric flow rate (CFM)

K = spitzglass constant

P = pressure drop in (in w.c.)

G = specific gravity of gas

L = length of pipe (ft)

The spitzglass constant is a function of pipe diameter, and is given by:

$$K = \sqrt{\frac{d^5}{1 + \frac{3.6}{d} + 0.03 \times d}}$$

Where d is the pipe diameter in inches.

The velocity of gas flow is given by: $V = Q/A$

Where: V = velocity

Q = volumetric flow rate (CFM)

A = cross sectional area of pipe (ft²)

Therefore, using the spitzglass formula for calculating head loss, and by performing a network analysis, the total headloss in the system is determined. The total head loss and the total gas flow rate is used to determine select an appropriate blower.

Design of Main Header

| Extraction Well/Node | Landfill Gas | Cumulative Gas | Pipe Length | Pipe Dia | Pipe Diameter | Velocity | k | Headloss (Hf) | Cumulative Headloss |
|----------------------|--------------|----------------|-------------|----------|---------------|----------|----------|---------------|---------------------|
| Unit | SCFM | SCFM | ft | inches | Feet | ft/sec | | in wc | in wc |
| EW-4 | 3 | | | | | | | | |
| | | 3 | 42 | 2 | 0.167 | 2.29 | 3.34E+00 | 0.009 | 0.009 |
| C | 21 | | | | | | | | |
| | | 24 | 95 | 4 | 0.333 | 4.58 | 2.25E+01 | 0.030 | 0.040 |
| EW-3 | 3 | | | | | | | | |
| | | 27 | 50 | 4 | 0.333 | 5.16 | 2.25E+01 | 0.020 | 0.060 |
| B | 18 | | | | | | | | |
| | | 45 | 70 | 4 | 0.333 | 8.59 | 2.25E+01 | 0.078 | 0.138 |
| EW-2 | 3 | | | | | | | | |
| | | 48 | 115 | 4 | 0.333 | 9.17 | 2.25E+01 | 0.146 | 0.284 |
| A | 21 | | | | | | | | |
| | | 69 | 50 | 4 | 0.333 | 13.18 | 2.25E+01 | 0.131 | 0.416 |
| EW-1 | 3 | | | | | | | | |
| | | 72 | 20 | 4 | 0.333 | 13.75 | 2.25E+01 | 0.057 | 0.473 |
| Flare | | | | | | | | | |

Headloss along Path: EW-11 -- C -- EW-3--B-- EW-2--EW-1--A -- Flare = 0.65+0.47 = 1.12

Headloss along Path: EW-17 -- B -- EW-2 -- EW-1 -- A -- Flare = 0.67+0.41 = 1.08

Headloss along Path: EW-24 -- A -- Flare = 0.57+0.19 = 0.76

| Description | In. of H2O |
|---|-------------------|
| Worst Case Headloss (50% SF) | 2.00 |
| Allowance for fittings (50%) | 1.00 |
| Residual vacuum at farthest well (2 inches of water) | 2 |
| Blower-flare static loss (assume) | 12 |
| Vacuum | 17.00 |
| Pressure drop across blower (15 inches of water col.) | 15 |
| Total Delta P | 32.00 |
| Provide a blower with capacity of 69 cfm and 45 inches of head. Blower HP = (pressure in psf x flow in cfs)/(550 x efficiency 80%) | 0.46 |

Determination of Condensate:

Maximum Gas Temp = 95 F
 Minimum Gas Temp = 40 F

From Natural Gas Saturation Curves:
 Water Vapor Content at 95 F & 14.7 psia = 2,800 lb/MMCF
 Water Vapor Content at 40 F & 14.7 psia = 400 lb/MMCF

Volume of condensate per cubic feet of LFG = 2.87×10^{-4} gal/ft³

For all wells, volume of gas per day = 54720 cft/day
 Total volume of LFG = 72 cfm
 Total volume of condensate per day = ~30 gallons

Since the volume of condensate is small, provide one condensate trap before the flare.

APPENDIX G

Traffic Load Impact Calculations

Traffic Load Impact

Westergaard's equation was used to determine the impact of traffic load on the landfill cover. The assumed traffic load per tire is 4,267 pounds (Feasibility Study Report, 1991). The radius of influence based on a tire pressure of 90 psi is given by:

$$r = \frac{1}{2} \times \sqrt{\left[\frac{4267}{90}\right] \times \left[\frac{4}{\pi}\right]} = 3.88 \text{ inches}$$

Since the radius of influence of the load is small compared to the surface of the landfill, therefore the load can be considered a point load and Westergaard's equation can be applied in order to determine the stress at a particular depth. All the assumptions of the westergaard equation apply to this analysis, i.e., the soil is an elastic medium of semi-infinite extent which allow only downward deformation without any lateral strain. The Westergaard's equation has been found to accurately depict interior loading conditions such as in the case described above (point load on a semi-infinite mass). It is also assumed that flexing effects are no longer significant at the point where the pressure is less than 10% of that calculated at the surface. The Westergaard equation is given by:

$$\sigma_z = \frac{1}{\pi \times [1 + 2 \times (r/z)^2]^{3/2}} \times \frac{Q}{z^2}$$

Where the first term is the Westergaard influence factor (unit-less), Q is the point load, and z is the depth at which stress is determined. At the Gardena Valley Landfill, the load bearing course will consist of a 4-inch asphalt course in addition to a 18-inch crushed stone subbase. Substituting the values of $r = 3.88$ inches, $z = 22$ inches, and $Q = 4267$ pounds in the westergaard equation, the value of $\sigma_z = 2.56$ psi (less than 10% of 90 psi, i.e., 9 psi). Therefore a 18-inch crushed stone subbase course followed by a 4-inch asphalt course should be sufficient to distribute surface loads to the required degree.

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August 7, 2002

002-10028-00

Mr. Fernando Villa
Holland & Knight
~~633 West 5th Street, Suite 2100~~
Los Angeles, California 900715

Subject: Phase I Environmental Site Assessment, Mission EbenEzer Church Property,
405, 415, and 425 West Torrance Boulevard, Carson, California

Dear Mr. Villa:

Attached is the Phase I Environmental Site Assessment report for the above-referenced property. The conclusions presented in this document are based on the results of a reconnaissance-level site visit conducted by LFR Levine-Fricke (LFR) personnel and a review of available and pertinent background information.

LFR appreciates this opportunity to provide consulting services to Mission EbenEzer Church. If you have any questions concerning this project, or would like to discuss other environmental concerns, please contact me at (714) 444-0111.

Sincerely,

Derrick Willis
Principal Hydrogeologist

Attachment

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EXECUTIVE SUMMARY

Findings

LFR Levine-Fricke (LFR) performed a Phase I Environmental Site Assessment (ESA) of the Mission EbenEzer Church property addressed as 405, 415, and 425 West Torrance Boulevard, in the City of Carson, County of Los Angeles, California ("the Site"; Figure 1). The approximately 4.68-acre Site is located on the northern side of Torrance Boulevard and is developed with two attached buildings, a surrounding asphalt-paved parking lot, and landscaping (Figure 2).

On Site

Historically, the Site was a portion of surrounding low-lying natural terrain from at least the late 1890s until the early-1940s, when the property was developed with scattered small oil refinery related buildings, drum and equipment storage yards, and possible wastewater ponds. The Site was cleared in the mid-1960s and remained vacant until the existing buildings were constructed in the early-1970s. Reportedly, soil sampling conducted in the former location of the refinery buildings yielded field indications of petroleum and possible solvent contamination. In addition, soil sampling and analysis conducted as part of the Gardena 1 & 2 Landfill characterization work indicated that arsenic concentrations at the Site were above both industrial preliminary remediation goals (PRGs) and background levels.

The building at 405-415 West Torrance Boulevard consists of a vacant retail/office space, Mission EbenEzer Church offices, the sanctuary, and a small chapel. The building at 425 West Torrance Boulevard consists of KB Furniture, vacant offices, and a small chapel.

Exterior paint trim on both buildings was observed to be damaged in areas.

A portion of the former Gardena Valley 1 & 2 Landfill occupies the northern parking lot of the subject property. Subsiding was observed in this area directly north of the site buildings. According to Rev. Jajardo of Mission EbenEzer Church, the parking lot is constantly sinking even after repair. Rev. Jajardo stated that heavy flooding occurs after rains due to improper drainage.

Rev. Jajardo was not aware of any active monitoring wells present on the Site. Monitoring wells GW-6A, -6B, and -6D indicated on the Remedial Investigation Report prepared by Bryan A. Stirrat (BAS, 1993) were not observed at the time of the site inspection. However, two dumpsters and stored material were present in the area of the reported monitoring wells at the time of the inspection.

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Two private garages are located at the southwest corner of the 405-425 West Torrance Boulevard building. The garages were filled with furniture, barbecue equipment, church supplies, and small quantities of paint. Staining was not observed on the concrete floor of the garages; however, close inspection of the floors could not be made due to the amount of material in the structures.

A small area at the northeast corner of the KB Furniture facility is used for small furniture repairs and touch-ups. Numerous small containers of stains, thinners, and paints were observed on a roll cart in this area at the time of the inspection. Minor staining was observed on the concrete floor beneath the cart; however, the floor appeared to be in good physical condition.

No evidence of underground storage tanks, septic systems, sumps or ponds was observed at the Site.

Off Site

Historically, the site vicinity consisted of natural low-lying terrain from at least the late 1890s until 1922, when an oil refinery was developed to the south. The oil refinery operated until 1984 and was redeveloped into the existing Kmart shopping center in the mid-1990s.

The east, west, and north adjacent properties were developed with scattered small oil refinery related buildings, drum and equipment storage yards, and possible waste water ponds in the early 1940s. These facilities existed until the Gardena Valley 1 & 2 Landfill was created north of the Site in 1956. The west adjacent property was developed with the existing structure in the early 1980s. The east adjacent property was developed with the existing structures in the early 1960s.

Adjoining properties currently consist of a vacant lot to the north (historical Gardena Valley 1 & 2 landfill), beyond which is a self-storage yard. Torrance Boulevard is present adjacent to the south of the Site, beyond which is a Kmart shopping center. An electrical supply facility is located adjacent to the east of the Site, and an antique store is present adjacent to the west of the Site.

The Site is surrounded by former landfills. The former Gardena Valley 1 & 2 Landfill is present directly north of the Site (this landfill also included the Site's north parking lot). The former Gardena Valley Landfill 5 lies adjacent to the south of the Site on the south side of Torrance Boulevard. The former Gardena Valley Landfill 4 is located approximately 900 feet west of the Site. The former Werdin Dump is present approximately 1,000 feet east of the Site. The former Cal-Compact Landfill lies approximately 1,100 feet northeast of the Site. The former Southwest Conservation Landfill is located approximately 1,200 feet north of the Site.

An environmental database report prepared by Environmental Data Resources, Inc. (EDR) was reviewed for local, state, and federal listings for properties within the site

vicinity. Regulatory database lists were reviewed for cases pertaining to leaking underground and aboveground storage tanks (USTs and ASTs), hazardous waste sites, and abandoned sites within the specified radii of standards established by the American Society for Testing Materials (ASTM). The following former landfills are located in the vicinity of the Site:

- The former **Gardena Valley Landfill 1 & 2** is located directly north of the Site and includes the north parking lot of the Site. This property is listed on the SWF/LF, Cal-Site, DEED, and CA Bond Expenditure Plan databases. This facility was placed on Annual Workplan – Active Site status in March 1998 by the Department of Toxic Substances Control (DTSC). Records for this facility were reviewed from the DTSC, Los Angeles County Department of Health Services (DHS), and the Client. Groundwater from this property has been shown to be impacted with a variety of contaminants that have impacted groundwater beneath the Site. Concentrations of several inorganic compounds exceed Maximum Contaminant Levels (MCLs). In addition, soil cover was noted to be impacted with metals, pesticides, and polychlorinated biphenyls (PCBs). Arsenic concentrations exceed both the industrial PRGs and State background levels. It is also documented that significant quantities of methane are released from this former landfill. Reportedly, a trench (assumed to intercept methane) may be present between the landfill and the Site.
- The former **Gardena Valley Landfill 5** (also known as the former **Golden Eagle Refinery Landfill**) is located adjacent to the south of the Site, beyond Torrance Boulevard, at 21000 South Figueroa Street. The former landfill is listed on the SWF/LF, Cortese, WMUDS/SWAT, CERCLIS, FINDS, RCRIS-LQG, RCRIS-TSD, Cal-Site, DEED, HAZNET, and Los Angeles County HMS databases. This property, which is currently occupied by the Kmart shopping center, was placed on Certified/Operation & Maintenance status by the DTSC in August 1995. No contamination has been detected in downgradient monitoring wells at the property line of this facility, indicating that contamination has not migrated off-site.
- The former **Gardena Valley Landfill 4** (833 West Torrance Boulevard) is located approximately 900 feet west of the Site, beyond the 110 Freeway. The property is listed on the SWF/LF, CERCLIS, and Los Angeles County HMS databases. Groundwater beneath this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site.
- The former **Werdin Dump** (20402 South Main Street) is located approximately 1,000 feet east of the Site, beyond Main Street. The property is listed on the SWF/LF, Cortese, WMUDS/SWAT, and Cal-Site databases. Groundwater in the area of this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site.

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- The former **Cal Compact Landfill** (20400 South Main Street) is located approximately 1,100 feet northeast and approximately 2,000 feet east of the Site, beyond Main Street. The property is listed on the SWF/LF, Cortese, AWP, and Cal-Site databases. In April 1996 the DTSC listed this facility on Annual Workplan-Active Site status. Groundwater in the area of this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site.
- The former **Southwest Conservation Landfill** (20300 South Main Street) is located approximately 1,200 feet north of the Site, beyond Del Amo Boulevard. The facility is listed on the SWF/LF, Cortese, CA Bond Expenditure Plan, WMUDS/SWAT, and Cal-Site databases. According to the DTSC, a preliminary endangerment assessment is required for the facility. Groundwater in the area of this facility has been shown to flow in a south-southeasterly direction, potentially upgradient from the Site. Records reviewed at the DTSC indicate that the amount of groundwater contamination from this landfill would not be easy to quantify/identify because of similar landfills in close proximity to this landfill, and the potential for similar types of chemical contamination contributed by these landfills (DTSC, 2002).

Opinion

On Site

The southern portion of the former Gardena Valley 1 & 2 Landfill extends onto the Site and occupies the Site's north parking lot. The presence of this landfill on the Site represents a recognized environmental condition.

Historically, a small petroleum refinery operation was present on the Site from 1941 until the early 1960s. This operation included cylindrical ASTs, equipment storage, and possible wastewater ponds or lagoons. There is anecdotal evidence of potential soil contamination from these operations. In addition, arsenic is present at concentrations above industrial PRGs and background levels. The historical presence of this facility and the associated impacted soil represents a recognized environmental condition.

Due to the original date of construction, the presence of potential asbestos-containing material and lead-based paint may be present on-Site. Although the potential presence of these materials does not represent a recognized environmental condition per se, it is LFR's opinion that it is a feature of concern.

Off Site

The Site is surrounded by former landfills. Of concern is the Gardena Valley Landfill 1 & 2 landfill, which is located adjacent to the north of the Site. It is documented that this former landfill is generating methane and potentially other landfill-associated toxic gases.

Therefore, there is a potential for methane gas (and associated landfill gas) to migrate onto the Site. Arsenic is also present in the landfill cover soils at concentrations above regulatory levels. In addition, inorganic constituents may be present in groundwater at concentrations that exceed MCLs. A landfill cap final design has been prepared and it is LFR's understanding that DTSC has approved this document for implementation. It is LFR's opinion that the potential for methane (and potentially other gas) migration onto the Site is a recognized environmental condition.

An environmental database report prepared by EDR was reviewed for local, state, and federal listings for properties within the site vicinity. Regulatory database lists were reviewed for cases pertaining to leaking USTs and ASTs, hazardous waste sites, and abandoned sites within the specified radii of standards established by the ASTM. Several of the off-site landfills listed in the EDR report represent recognized environmental conditions due to groundwater contamination and methane gas.

Conclusions and Recommendations

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E1527-00 for Phase I ESAs. Any exceptions to or deletions from this practice are described in Section 1.4 of this report. This assessment has revealed evidence of recognized environmental conditions and features of concern in connection with the subject property, as discussed below:

- The southern portion of the former Gardena Valley 1 & 2 Landfill extends onto the Site and occupies the Site's north parking lot. The landfill is known to generate methane, and there is the potential for methane gas and other volatile organic compounds (VOCs) from the landfill to migrate beneath the Site. Because of the explosion hazard associated with methane, and the potential health hazard associated with other landfill gases (VOCs) that may be entrained with the methane, LFR recommends soil-gas sampling adjacent to the site buildings to characterize the extent (if any) of methane and VOCs beneath the Site. In addition, the presence or absence of an interceptor trench between the Site and the landfill should be verified.
- Groundwater beneath the Site has been impacted by the former Gardena Valley 1 & 2 Landfill. Groundwater in the lower Bellflower and Gage aquifers flows to the south-southeast. A review of historic groundwater data indicates concentrations of some inorganic constituents may exceed MCLs. LFR recommends sampling the existing on-site groundwater monitoring wells or, if no on-site wells exist, collecting groundwater samples via hydropunch.
- A small petroleum refinery operation was historically present on the Site. This operation included cylindrical ASTs, equipment storage, and possible wastewater ponds or lagoons. Reported analytical results indicate that arsenic concentrations exceed regulatory levels, and that diesel or solvent may be present in soils. LFR recommends soil gas and soil matrix sampling to determine the presence or absence

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of petroleum hydrocarbons, VOCs, semi-volatile organic compounds, and metals. In addition, LFR recommends groundwater sampling for the same list of constituents.

- Due to the original date of construction, ACM and LBP may potentially be present on the Site. LFR recommends that a comprehensive asbestos and LBP survey be conducted prior to renovation or demolition of the site structures.
 - Based on the potential for methane gas and other VOCs to migrate onto the Site from the former Gardena 1 & 2 Landfill, LFR recommends that a thorough review of the mitigation design and implementation schedule be conducted prior to implementation of the mitigation.
-

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FIGURES

- 1 Site Vicinity
- 2 Site Plan

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- A Site Photographs
- B Regulatory Records Documentation
- C Historic Records Documentation
- D Interview Documentation

1.0 INTRODUCTION

LFR Levine-Fricke (LFR) performed a Phase I Environmental Site Assessment (ESA) of the Mission EbenEzer Church property located at 405, 415, and 425 West Torrance Boulevard, in the City of Carson, County of Los Angeles, California ("the Site"; Figure 1). The approximately 4.68-acre Site is located on the northern side of Torrance Boulevard and is developed with two attached buildings, surrounding asphalt-paved parking lot, and landscaping (Figure 2).

1.1 Purpose

The objective of this assessment was to provide an independent, professional opinion regarding *recognized environmental conditions*, if any, associated with the Site. According to American Society for Testing Materials (ASTM) Standard Practice E1527-00, a recognized environmental condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or the material threat of a release of hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. LFR understands that Mission EbenEzer Church will use this Phase I ESA to perform due diligence with respect to environmental conditions at the Site.

1.2 Detailed Scope of Services

The scope of work for the Phase I ESA included the following activities:

- a reconnaissance-level visit of the Site for evidence of the release(s) of hazardous materials and/or petroleum products and to assess the potential for on-site releases of hazardous materials and/or petroleum products
- an evaluation of land use in the vicinity of the Site
- a review of selected regulatory files of reported on- and off-site release cases
- preparation of a report presenting our findings

1.3 Significant Assumptions

LFR assumes that the purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary business practice in an effort to identify environmental risk associated with the Site. LFR also assumes that the information provided by Mission EbenEzer Church, regulatory database provider, and regulatory agencies is true and reliable.

1.4 Limitations and Exceptions

Site-specific activities performed by LFR and information collected regarding these activities are summarized in the following sections. The findings of this Phase I ESA are presented in Section 7.0. Opinions and conclusions drawn by LFR, based on the information collected as part of the Phase I ESA, are presented in Sections 8.0 and 9.0, respectively.

This Phase I ESA was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the Phase I ESA described herein. Opinions presented herein apply to site conditions existing at the time of our study, and cannot necessarily be taken to apply to site conditions or changes that we are not aware of or have not had the opportunity to evaluate. It must be recognized that conclusions drawn from these data are limited to the amount, type, distribution, and integrity of the information collected at the time of the investigation, and the methods utilized to collect and evaluate the data, and that a full and complete determination of environmental risks cannot be made. Although LFR has taken steps to obtain true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of this information.

1.5 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of electrical equipment for the potential presence of polychlorinated biphenyls (PCBs) or collection of other environmental samples. The scope of work did not include an assessment of natural hazards such as naturally occurring asbestos, radon gas or methane gas, an assessment of the potential presence of radionuclides, an assessment of nonchemical hazards such as the potential for damage from earthquakes or floods, or an assessment of the presence of endangered species or wildlife habitats. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the Site or a health-based risk assessment.

1.6 User Reliance

This report is for the exclusive use of Mission EbenEzer Church, its counsel and lender. Use of this report by any other party shall be at such party's sole risk.

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2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Site consists of a parcel of land totaling approximately 4.68 acres. The subject property is located on the north side of Torrance Boulevard, between Main Street to the east and Figueroa Street to the west. Interstate Highway 110 (Harbor Freeway) is present approximately 500 feet west of the Site, and Interstate Highway 405 (San Diego Freeway) is located approximately 0.75 mile northeast of the Site.

The County of Los Angeles Assessor's Office designates the Site as Assessor Parcel Number (APN) 7336-003-028. Ownership of the Site is reportedly vested in Narcissa Estates, Incorporated.

2.2 Site and Vicinity General Characteristics

The Site is comprised of two buildings that contain a church, furniture store, and vacant office/retail space. Surrounding properties include a vacant lot to the north, an electrical supply company to the east, a K-Mart shopping center to the south, beyond West Torrance Boulevard, and an antique store to the west. The topography of the Site and vicinity is flat, with a slight slope toward the east-northeast.

2.3 Current Use of the Site

The Site is currently in use as the Mission EbenEzer Church and KB Furniture store.

2.4 Descriptions of Structures, Roads, and Other Improvements on the Site

The Site is developed with two buildings that are attached by a covered walkway on the southern side of the Site. The eastern building is addressed as 405-415 West Torrance Boulevard, and the western building is addressed as 425 West Torrance Boulevard. Both of the buildings are of like construction and architecture. An asphalt-paved parking lot surrounds the site buildings on the north, east, and west.

2.4.1 Building Description

The Site is developed with two buildings that are attached by a covered walkway on the southern side of the Site. The building at 425 West Torrance Boulevard is approximately 26,500 square feet in size, and the building 415-405 West Torrance Boulevard is approximately 51,300 square feet in size.

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405-415 West Torrance Boulevard

This building is constructed of wood and steel beam on a concrete pad foundation. The exterior of the building is finished with stucco and brick trim. The roof consists of an asphalt shingle façade and a rolled sheet membrane center section.

The interior of the building consists of church offices, a sanctuary, and a small chapel. Interior building materials include carpet, vinyl floor tiles, vinyl sheet flooring, drywall walls and ceilings, and suspended ceiling tiles. Fluorescent lighting fixtures are used throughout the building. The building materials appeared to be in good physical condition at the time of the site inspection.

425 West Torrance Boulevard

This building consists of KB Furniture, vacant offices, and a small chapel. The building is constructed of wood and steel frame on a concrete slab foundation. The exterior of the building is stucco with wood and brick trim. The central (main) portion of the roof consists of rolled sheet membrane, while the outside portion of the roof is an asphalt shingle façade.

The furniture store, which is located in the northern portion of the building, has drywall walls, suspended ceilings, and fluorescent lighting fixtures. Half of the floor is cement (with mastic remnants, evidence of being carpeted in the past) and the other half is carpeted. A small chapel located in the southern portion of the building has drywall ceilings and walls, fluorescent lighting, skylights, and carpeted floors. The roof is supported by steel center beams with connecting wood beams. The building materials appeared to be in good physical condition at the time of the inspection.

2.4.2 Source of Potable Water

The Dominguez Water Company supplies potable water to the site vicinity. This water reportedly complies with all state and federal standards specified by the Safe Drinking Water Act.

2.4.3 Sewage Disposal System

The County of Los Angeles Sanitation District provides sewage disposal services to the Site and vicinity.

2.4.4 Solid Waste Disposal

Waste Management provides solid waste disposal services to the Site. Two dumpsters are located in the quad area on the Site, between the buildings at 415 and 425 West Torrance Boulevard. Evidence of staining on or near the dumpsters was not observed at the time of the site inspection.

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2.4.5 Heating and Cooling Systems

The site buildings are heated and cooled by multiple roof-mounted combination heating, ventilating, and air conditioning (HVAC) units. The Site utilizes electricity supplied by Southern California Edison (SCE) and natural gas supplied by the Southern California Gas Company.

A concrete pad-mounted electrical transformer is present along Torrance Boulevard between the two site buildings. The transformer is owned and operated by SCE and appeared to be in good physical condition. No evidence of leakage was observed.

2.5 Current Uses of Adjoining Properties

Adjoining properties consist of a vacant lot to the north (former Gardena 1 & 2 Landfill), beyond which is a self-storage yard. An electrical supply facility is located adjacent to the east of the Site. Torrance Boulevard lies adjacent to the south of the Site, beyond which is a Kmart shopping center. An antique store is present adjacent to the west of the Site.

3.0 USER-PROVIDED INFORMATION

3.1 Title Records

The Client provided LFR with a preliminary title report prepared by Chicago Title Company on March 29, 2000. The report is for the Site and the east and west adjacent properties. The following transactions are noted on the title report. These transactions pertain to the Site and the east and west adjacent properties.

| Transaction | Date | Action |
|-------------|-------------------|---|
| Easement | June 6, 1911 | Dominguez Estate Company, pipelines |
| Easement | December 24, 1924 | Dominguez Land Corporation, pipe & wire lines & other public utilities |
| Easement | October 29, 1965 | County of Los Angeles, public road |
| Easement | April 18, 1974 | Southern California Edison Company, underground electrical system |
| Lease | February 24, 1977 | Great Western Savings & Loan Association |
| Lease | December 10, 1981 | Regan Offshore International, Inc. |
| Lease | December 7, 1984 | IMB Academy, Inc. |
| Lease | June 20, 1986 | Leonard Arcinstall/ESP Graphics Inc. |

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| Transaction | Date | Action |
|-------------|-------------------|--|
| Lease | February 6, 1990 | Vern Schafer's Colton Piano Co. |
| Lease | December 9, 1991 | Los Angeles Cellular Telephone Company |
| Lease | December 8, 1992 | Recreational Equipment Inc. |
| Lease | March 18, 1992 | Marie Francoise Varagnat & John Varagnat |
| Lease | November 28, 1994 | Len Davis Litho, Faith in Christ Church, EbenEzer Church, & SGI USA |
| Lease | April 1, 1997 | La Mancha Antiques, Inc. |

3.2 Environmental Liens or Activity and Use Limitations

The Client did not provide LFR with information regarding environmental liens or activity and use limitations for the Site as part of this Phase I ESA.

3.3 Specialized Knowledge

Development Design Source, an agent for the seller, provided LFR with documents pertaining to the north adjacent former Gardena Valley Landfill 1 & 2. Detailed information regarding this and other nearby landfills can be found in Section 4.1.

3.4 Valuation Reduction for Environmental Issues

The Client did not provide LFR with an estimated valuation reduction, related to known environmental issues associated with the Site, as part of this Phase I ESA.

3.5 Owner, Site Manager, and Occupant Information

The Site is occupied by Mission EbenEzer Church and KB Furniture. The property is utilized as a church, administrative offices, and a retail furniture store.

3.6 Reason for Performing Phase I ESA

LFR assumes that the purpose of this Phase I ESA is to provide Mission EbenEzer Church with appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability.

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3.7 Other

The Client did not provide LFR with any other information as part of this Phase I ESA.

4.0 RECORD REVIEW

4.1 Standard Environmental Records Sources

An environmental database report prepared by Environmental Data Resources, Inc. (EDR) was reviewed for local, state, and federal listings for properties within the site vicinity. Regulatory database lists were reviewed for cases pertaining to leaking underground and aboveground storage tanks (USTs and ASTs), hazardous waste sites, and abandoned sites within the specified radii of standards established by the ASTM. The information provided from EDR and the reported direction of groundwater flow were used to assist LFR in this assessment. A copy of the EDR report dated July 10, 2002 is included in Appendix B.

REI, a former tenant of the Site, is listed on the HAZNET database for the tracking of unspecified solvent waste. The former tenant is listed for tracking purposes only; no violations are reported. The listing of a former site tenant on this database is not expected to pose an environmental concern.

The following properties listed in the EDR report were evaluated for their potential to impact the Site:

- The former **Gardena Valley Landfill 1 & 2** is located directly north of the Site and includes the north parking lot of the Site. This property is listed on the SWF/LF, Cal-Site, DEED, and CA Bond Expenditure Plan databases. The former landfill is bordered by Del Amo Boulevard to the north, Main Street to the east, Torrance Boulevard to the south, and Figueroa Street to the west. In March 1998 this facility was placed on Annual Workplan-Active Site status by the Department of Toxic Substances Control (DTSC). Records for this facility were reviewed from the DTSC, Los Angeles County Department of Health Services (DHS), and the Client. Groundwater from this property has been shown to be impacted with a variety of contaminants that have impacted groundwater beneath the Site. In-depth information for this facility can be found in Section 4.2.
- The former **Gardena Valley Landfill 5** (also known as the former **Golden Eagle Refinery Landfill, Carson Tank Farm, and Gascon-Mar**) is located adjacent to the south of the Site, beyond Torrance Boulevard, at 21000 South Figueroa Street. This property is listed on the SWF/LF, Cortese, WMUDS/SWAT, CERCLIS, FINDS, RCRIS-LQG, RCRIS-TSD, Cal-Site, DEED, HAZNET, and Los Angeles County HMS databases. The property, which is currently occupied by the Kmart shopping center, was placed on Certified/Operation & Maintenance status by the DTSC in

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August 1995. No contamination has been detected in downgradient monitoring wells at the property line of this facility, indicating that contamination has not migrated off-site. In-depth information for this facility can be found in Section 4.2.

- The Former **Gardena Valley Landfill 4** (also listed as **Gardena Valley Dump #4 - Alpine Village**) is located approximately 900 feet west of the Site, beyond the 110 Freeway, at 833 West Torrance Boulevard. The property is listed on the SWF/LF, CERCLIS, and Los Angeles County HMS databases. Groundwater beneath this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site. In-depth information for this facility can be found in Section 4.2.
- The former **Werdin Dump** is located approximately 1,000 feet east of the Site, beyond Main Street, at 20402 South Main Street (also listed as 20400 and 21400 South Main Street). The property is listed on the SWF/LF, Cortese, WMUDS/SWAT, and Cal-Site databases. Groundwater in the area of this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site. In-depth information for this facility can be found in Section 4.2.
- The former **Cal Compact Landfill** (20400 South Main Street) is located approximately 1,100 feet northeast and approximately 2,000 feet east of the Site, beyond Main Street. This property is listed on the SWF/LF, Cortese, AWP, and Cal-Site databases. DTSC listed this facility as Annual Workplan – Active Site status in April 1996. Groundwater in the area of the former landfill has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site. In-depth information for this facility can be found in Section 4.2.
- The former **Southwest Conservation Landfill** (20300 South Main Street) is located approximately 1,200 feet north of the Site, beyond Del Amo Boulevard. This property is also listed as **Cal-Compact Site No. 2** and **Carson Six Drive-in** at 20331 South Main Street. The property is bordered to the north by Francisco Street, to the east by Main Street, to the south by Del Amo Boulevard, and to the west by Figueroa Street. This facility is listed on the SWF/LF, Cortese, CA Bond Expenditure Plan, WMUDS/SWAT, and Cal-Site databases. According to the DTSC, a preliminary endangerment assessment is required for this site. Groundwater in the area of this facility has been shown to flow in a south-southeasterly direction, crossgradient from the Site; however, this facility is located potentially upgradient from the Site. Records reviewed at the DTSC indicate that the amount of groundwater contamination from this landfill would not be easy to quantify/identify because of similar landfills in close proximity to this landfill, and the potential for similar types of chemical contamination contributed by these landfills (DTSC, 2002). In-depth information for this facility can be found in Section 4.2.

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- **Applied Controls & Engineering, Inc.** (321 West Torrance Boulevard) is located approximately 100 feet east of the Site. This facility is listed on the HAZNET database for the tracking of paint sludge and unspecified solvent waste. The facility is listed for tracking purposes only; no violations are reported. This facility is not expected to pose a significant environmental concern to the Site.
- **Sumi Office Services** (305 West Torrance Boulevard) is located approximately 250 feet east of the Site. This facility is listed on the HAZNET database for the tracking of hydrocarbon solvents and photochemicals/photoprocessing waste. The facility is listed for tracking purposes only and is not listed for violations. This facility is not expected to pose a significant environmental concern to the Site.
- **Exxon Service Station** (701 Torrance Boulevard) is located approximately 900 feet west of the Site, on the western side of the 110 Freeway. This facility is also listed as **Alpine Village Texaco** (the current tenant), **Alpine Texaco** (formerly Exxon), and **Alpine Village Texaco Automotive Center**. This facility is listed on the Historical UST, UST, Los Angeles County HMS, LUST, and HAZNET databases. Reportedly, four USTs were originally installed at this facility in 1968. A release to the surrounding soil was reported in August 1997, and the case was closed in February 1998. This facility is not expected to pose a significant environmental concern to the Site.

4.2 Additional Environmental Records Sources

Sampling for radon gas was not conducted at the Site during this assessment. According to the California Statewide Radon Survey (1990), Los Angeles County is expected to have a Radon Zone rating of 2. Zone 2 areas are predicted to have an average indoor radon range screening potential between 2.0 and 4.0 picoCuries per liter of air (pCi/l). The action level established by the U.S. Environmental Protection Agency (U.S. EPA) for indoor radon concentrations is 4.0 pCi/l.

4.2.1 Former Gardena Valley Landfill 1 & 2

The former **Gardena Valley Landfill 1 & 2** is located directly north of the Site and includes the north parking lot of the Site. This property is listed on the SWF/LF, Cal-Site, DEED, and CA Bond Expenditure Plan databases. This property is bordered by Del Amo Boulevard to the north, Main Street to the east, Torrance Boulevard to the south, and Figueroa Street to the west.

According to the DTSC, the property consists of a portion of two adjacent former Class II landfills. The landfills, which were permitted to receive industrial and municipal wastes, operated from November 1956 until October 1959. These landfills accepted 635,500 cubic yards of soil and wastes including household wastes, contaminated soil, paint sludge, pesticides, and wastes associated with pesticide production. Two hundred drums of paint sludge are buried at the property. The wastes were approximately 75 percent

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residential refuse and 25 percent other wastes, including liquid industrial waste. Soil sample results show that metals, chlorinated solvents, petroleum constituents, dichlorodiphenyl-trichloroethane (DDT), and vinyl chloride are present. Approximately 1,544 pounds of methane gas escape via the soil surface per day. Other subsurface gases contain contaminants including vinyl chloride, chlorinated solvents, and petroleum constituents. The effect of the landfill on groundwater is currently being investigated. DTSC entered into an agreement with the responsible parties (RPs) in April 1989. Two interim remedial investigation (RI) reports have been submitted by the RPs. Based on the DTSC's review of these reports, additional groundwater investigation was ordered. In June 1999, the DTSC approved a remedial design. The remedial design consists of five major tasks: site cleaning and grubbing, earthwork and grading, cap construction, stormwater conveyance system, landfill gas collection and treatment system (DTSC, 2002).

Soil

LFR reviewed a Final Remedial Action Plan Wastefill Operable Unit report conducted "For a Portion of the Gardena Valley 1 & 2 Landfill" prepared by Bryan A. Stirrat & Associates, Inc. (BAS) on June 30, 1992. This remedial action plan (RAP) provided a detailed discussion of the methods and alternatives considered for remediation of the property. According to the document, the average thickness of the existing landfill cover is 5.52 feet. The surface soil was found to be contaminated in localized areas with nine priority pollutant metals (arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, and zinc), barium, DDT and its breakdown products, PCBs, and two semi-volatile organic compounds (SVOCs; diethylphthalate and di-n-butylphthalate). The metals, PCBs, and DDT were found at concentrations below their respective applicable or relevant and appropriate requirements (ARARs). A significant portion of the organic constituents detected in surface soils were unidentifiable (BAS, 1992). A summary of the soil/wastefill analysis can be found in Table 2-1 of the BAS report (Appendix C).

The average thickness of refuse at the landfill is 25.15 feet. The waste fill was found to be contaminated with 12 priority pollutant metals, barium, DDT breakdown products, PCBs, and 24 different SVOCs. A significant portion of the organic constituents detected in the wastefill were unidentifiable. Due to high methane concentrations encountered in the landfill, an air rotary drill rig was used for waste fill boring placement to mitigate health and safety concerns. As a result, SVOC and VOC analysis could not be done on the waste fill samples. (BAS, 1992). Due to these changes, the gas stream and leachate sampling activity for VOCs was expanded.

At 1.5 feet below the base of the landfill, the soil was found to be contaminated with arsenic, five SVOCs, and two VOCs. At 2 feet beneath the base of the landfill, the soil was found to be contaminated with arsenic, PCBs, and five SVOCs. At 5 feet below the base of the landfill, the soil contained arsenic only. There has been no lateral migration of leachate contaminants from the side of the waste fill zone; however, migration of leachate from the base of the landfill may be taking place (BAS, 1992). BAS stated that further

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study is needed if the extent of the contamination immediately beneath the landfill is to be defined.

Four landfill gas monitoring wells were placed in the landfill by BAS. No PCBs or pesticides were detected in any of the collected leachate samples. Four SVOCs and 12 VOCs were detected in the samples analyzed. Where applicable standards exist, all reported metal concentrations were found to be below their respective Federal and State Primary Drinking Water Standards (BAS, 1992). A summary of the compounds detected in the leachate samples can be found in Table 2-2 of the BAS report (Appendix C).

BAS conducted additional work on the southern portion of the landfill in the area of the Site. The additional work included placement of exploratory boring to determine the extent of fill, and placement of lysimeters to analyze soil for liquids. BAS delineated the extent of fill for the southern portion of the landfill. None of the buildings constructed for the El Camino Plaza, of which the Site is a portion, have been built on refuse (BAS, 1992). However, the refuse area has been paved and is currently used as the north parking lot for the Site. Based on fill placement records, the southern portion of the landfill accepted the same classes of material as the northern portion.

Analysis of composite soil samples collected from ASB-1 (on the northern edge of the site building) and L-1 and L-2 (on the northern edges of the west and east adjacent properties) showed the presence of arsenic (16.8 to 245 milligrams per kilogram [mg/kg]), beryllium (0.5 to 0.7 mg/kg), chromium (14.2 to 22.1 mg/kg), copper (19.2 to 47.9 mg/kg), lead (9.7 to 15.6 mg/kg), nickel (8 to 17 mg/kg), and zinc (60.6 to 63.9 mg/kg). Arsenic was the only compound which exceeded the industrial preliminary remediation goal (2.2 mg/kg). It should be noted that arsenic is a naturally occurring substance commonly found in California soils. The expected range of arsenic background concentrations within California is from nondetect to 11 mg/kg, with an average concentration of 3.5 mg/kg (University of California, 1996). However, arsenic concentrations detected in the samples collected at the site are above regional background levels. Depths of samples taken are included in Table 9-1 in the BAS report (Appendix C).

A baseline health risk assessment (BHRA) was completed the landfill in December 1990 (BAS, 1990). The results of the BHRA indicate that the risk at the landfill is negligible, based on the selected exposure pathways. The results of the BHRA have not been independently verified.

Groundwater

A Groundwater Remediation Investigation Report prepared by BAS on April 14, 1993 was reviewed for this ESA. Three groundwater monitoring wells (GW-6A, GW-6C, and GW-6D) are located on the Site, near the quad area between the two main buildings. GW-6A was drilled to a depth of 60 feet below ground surface (bgs) in 1989 and monitors the Upper Bellflower aquifer. GW-6C was drilled to a depth of 87.9 feet bgs in 1990 and monitors the Lower Bellflower aquifer. GW-6D was drilled to a depth of 122.6

feet bgs in 1990 and monitors the Gage aquifer. First groundwater was encountered between 40 and 50 feet bgs.

Shallow Bellflower Zone

The shallow groundwater monitoring well network for the landfill consists of 13 monitoring wells and piezometers. Shallow zone groundwater monitoring wells were sampled twice during the period of August 25 through October 8, 1992. Analysis of groundwater samples collected from the shallow monitoring wells detected the presence of a variety of inorganic compounds. The mean concentrations of chloride, sulfate, total dissolved solids (TDS), and conductivity exceeded established ARARs. The upper level of the maximum contaminant level (MCL) for conductivity (1,600 milligrams per liter [mg/l]) was exceeded at on-site well GW-6A (1,750 mg/l). The upper level MCL for TDS (1,000 mg/l) was exceeded at GW-6A (1,050 mg/l).

Metals analyses detected low concentrations of eight metals in groundwater samples collected from the shallow zone wells. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in on-site well GW-6A (0.62 mg/l) and three other monitoring wells.

No SVOCs were detected in monitoring well GW-6A. Trace SVOCs were found in one off-site well.

Low concentration levels of five organic compounds were detected in water samples collected from monitoring well GW-6A (1,1-dichloroethane at 1.75 micrograms per liter [$\mu\text{g/l}$]; cis-1,2-dichloroethene at 3 $\mu\text{g/l}$; 1,2-dichloroethane at 1.25 $\mu\text{g/l}$; trichloroethene at 4 $\mu\text{g/l}$; and tetrachloroethene at 3.5 $\mu\text{g/l}$). With the exception of 1,2-dichloroethane, which exceeded the state MCL, none of the mean concentrations of VOCs were found to be in excess of any established ARAR (BAS, 1993).

Intermediate Bellflower Zone

The intermediate Bellflower zone groundwater monitoring network for the landfill consists of two monitoring wells. A variety of inorganic compounds were found in water sample analysis to exceed established ARARs. Metal analysis detected low concentrations of 15 metals in groundwater. No SVOCs were detected in the samples. No VOCs were detected in one of the wells; however, acetone and methylene chloride were detected at low concentrations.

Deep Bellflower Zone

The deep Bellflower zone groundwater monitoring network for the landfill consists of three monitoring wells. The MCL for conductivity (900 mg/l) was exceeded in on-site well GW-6C (1,245 mg/l) and the MCL for sulfate (250 mg/l) was exceeded in GW-6C (276 mg/l).

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Metal analyses detected low concentrations of 13 metals in groundwater collected from the deep Bellflower zone wells. Twelve metals in low concentrations were detected in GW-6C. With the exception of manganese, the mean metals concentrations did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in on-site well GW-6C (0.20 mg/l) and the other monitoring wells.

No VOCs were detected during the analyses of samples collected from GW-6C.

Gage Aquifer

The Gage Aquifer groundwater monitoring network for the landfill consists of three monitoring wells. Each well was sampled four times during the period from January 28, 1991 through August 25, 1992.

Inorganics analysis of groundwater samples collected from the shallow monitoring wells detected the presence of a variety of inorganic compounds, mean concentrations of four of which exceeded established ARARs. The upper level of the MCL for conductivity (1,600 mg/l) was exceeded at on-site well GW-6D (2,120 mg/l). The upper MCL for sulfate (500 mg/l) was exceeded in GW-6D (556 mg/l) and the "short-term" MCL (1,500 mg/l) was exceeded at GW-6D (1,533 mg/l).

Metal analyses detected low concentrations of eight metals in groundwater samples collected from the Gage Aquifer wells. Six metals were detected at GW-6D. With the exception of manganese, the mean metals concentration did not exceed established ARARs. The mean manganese concentration exceeded the state secondary drinking water standard (0.05 mg/l) in on-site well GW-6D (0.65 mg/l) and the other monitoring wells.

No SVOCs were detected in samples collected from the wells; however, isophorone was detected in GW-6D. No established state or federal drinking water standards currently exist for this compound.

Eight VOCs were detected in GW-6D during the May 1991 sampling event; however, it appears that this was an isolated spike since these compounds have not been detected in any of the monitoring wells since that sampling event (BAS, 1993).

Landfill Mitigation

A final design report for mitigation of the landfill was prepared for DTSC by Tetra Tech in June 1999. The objectives of the remedial design, as stated in the report, are:

- Design of a landfill cap that minimizes infiltration and subsequent leaching of liquids from the waste fill.
- Design of a landfill gas extraction system/treatment system for collection and treatment of soil gas (predominantly methane) generated from the landfill.

Reportedly, the final design report was approved by DTSC. It is unclear when the design would be implemented.

Los Angeles County Department of Health Services (DHS)

Records for the Gardena Valley Landfill 1 & 2 were reviewed at the Department of Health Services (DHS). According to a quarterly inspection sheet for the facility dated April 22, 2002, subsidence was observed at the "northeast end of the parking lot area, across from Memory Lanes Antique Mall and subsidence and cracks in the asphalt were found behind the 315-321 Torrance Boulevard buildings." The DHS stated "repair the damaged areas of the asphalt to eliminate safety hazards."

The southern portion of the Gardena Valley Landfill 1 & 2 property includes the northern portion of the Site. Soil and groundwater from this facility have been shown to have impacted the Site.

4.2.2 Former Gardena Valley Landfill 5 (Golden Eagle Refinery)

The Gardena Valley Landfill 5, also known as the former Golden Eagle Refinery Landfill, is located at 21000 South Figueroa Street and adjacent south of the Site, beyond Torrance Boulevard.

According to the DTSC, this property is a former oil refinery that operated from 1922 to 1984. Oil waste land farming was practiced on approximately 20 acres of the site. On a 10-acre portion of the site, a separate company operated a Class III landfill for two years (1962 and 1963). The refinery was closed and demolished in 1985, but contamination from refinery operations remains in subsurface soils. A large portion of the surface and subsurface soils of the site are contaminated with high levels of petroleum hydrocarbons, and lead. Petroleum hydrocarbons have also been found in perched groundwater beneath the site. Some hazardous industrial wastes of unknown chemical composition may have been disposed of in the landfill portion of the site. Although petroleum hydrocarbons have been found in the unused perched aquifer, it is uncertain as to whether these substances may migrate to deeper aquifers used as domestic and drinking water sources. Golden Eagle Refining Company initiated remedial actions that included soil excavation and re-disposal, onsite biodegradation of hydrocarbon contaminated soil, and groundwater investigations of the perched and shallow confined aquifer. LASMO Oil and Gas, Inc. (LASMO) purchased the site from Golden Eagle Refining Company in 1991, and assumed responsibility for site remediation. LASMO submitted a Remedial Investigation/Feasibility Study along with a Post-Removal Baseline Risk Assessment. The DTSC reviewed and approved these documents in June of 1994. LASMO subsequently submitted a Remedial Action Plan (RAP) which was public noticed and approved by DTSC in July of 1994. The RAP addresses 5 acres of concern: 1) lead-contaminated soil; 2) hydrocarbon-contaminated soil 40 feet below ground surface; 3) closure of an on-site landfill; 4) recovery of free product; and 5) groundwater contaminated with hydrocarbons. The lead contaminated soil was treated by solidification and transported to an off-site disposal facility in September 1994. The groundwater and

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hydrocarbon-contaminated soil remedial system, air sparging/vapor extraction, was constructed, tested and is currently operating at the site (DTSC, 2002).

On May 18, 1995, the DTSC issued a No Further Action letter for the top 40 feet of soil, indicating successful completion of the soil cleanup program. The certification of completion of final remedial action was signed in August of 1995; however, the site requires ongoing operation and maintenance and monitoring efforts. The former Golden Eagle Refinery site has been developed pursuant to the Golden Eagle Center Specific Plan (Specific Plan) for retail/office space, research and development (R&D), and light industrial purposes (DTSC, 2002).

A remedial action plan for addressing groundwater contamination at the site was approved in 1994 and implemented in 1995. Groundwater monitoring data gathered since 1991, when site-wide groundwater investigations began, indicated that no off-site migration of contaminants in groundwater had occurred, and that contamination is limited to the upper Bellflower water-bearing zone. The Bellflower zone is not used for municipal or industrial water supply due to its low yield and poor water quality. The groundwater remediation system installed at the site in 1995, which still exists, is a combination air sparging and vapor extraction (AS/VE) system. During the past five years of operation, the AS/VE system has reduced contaminant concentrations by over 90 percent to achieve groundwater cleanup standards in a majority of wells across the site. Currently, benzene is the only contaminant detected in groundwater above the cleanup standard. Due to the low concentrations of the remaining contaminants in groundwater, the current groundwater remediation system is no longer necessary, and further significant reductions in benzene levels in these wells using the AS/VE system are unlikely. Alternate technologies for completing the remediation have been evaluated in the revised RAP. The AS/VE groundwater treatment system required on-going operation and maintenance. The RPs conducted groundwater monitoring as required in the original RAP and operation and maintenance agreement until January 2001 (DTSC, 2002).

The Golden Eagle Refinery Site contains the 10-acre Gardena Valley Dump #5. From January 1962 through September 1963 approximately 10 acres near the northeastern quadrant was used as a landfill for household refuse, construction debris, and less than one percent of semi-liquid wastes. The landfill gas collection system continues to operate in compliance with South Coast Air Quality Management District permits. LASMO submitted a new draft RAP for monitored natural attenuation in August 2000. AS/VE equipment will remain at the site, to be used as a contingency remedy if natural attenuation is not demonstrated (DTSC, 2002).

According to documents reviewed at the DHS, a 55-foot deep slurry wall was constructed between the landfill and the K-Mart building in approximately 1995. The landfill is closed under the direction of the RWQCB. The landfill has been covered with approximately 3 feet of dense clay and two inches of asphalt and equipped with a methane gas extraction system. The proposed remedial action is to do no further activities on the landfill with the exception of the contaminated groundwater beneath a portion of the landfill (DTSC, 1994).

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VOCs and metals found in the soil are also present in the shallow Bellflower groundwater zone. Seven constituents found in the bellflower groundwater zone beneath the facility were found at concentration above the State drinking water standards. These include benzene, toluene, ethylbenzene, xylene, trichloroethylene, tetrachloroethylene, and 1,2-dichloroethane (DTSC, 1994).

No contamination has been detected in downgradient monitoring wells at the property line, indicating that contamination has not migrated off-site. The contamination was not found in the Gage Aquifer with the exception of toluene which was reported at concentrations significantly below drinking water standards (DTSC, 1994).

4.2.3 Former Gardena Valley Landfill 4

The former **Gardena Valley Landfill 4** is located at 833 West Torrance Boulevard. This property is located approximately 900 feet west of the Site, beyond the 110 Freeway.

According to records reviewed at the DHS, a total of approximately 1,029,000 cubic yards of Class II type refuse and approximately 380,226 gallons of liquid waste was placed within a 22-acre fill area with a depth of fill ranging from a few feet to about 32 feet in the northern portion of the facility. The landfill operated from September 1959 until May 1962. The liquid waste included paint sludge, latex waste, cement, sand-water, resins, acetylene sludge, and tank bottom sediments. No liners were installed at the facility (SCS, 1988).

The uppermost extensive body of groundwater in at this facility lies within the semiperched zone at approximately 60 feet bgs. Groundwater contours indicate that the semiperched zone slopes to the south and southeast beneath the facility (SCS, 1988). The Gage Aquifer is expected to occur approximately 140 feet bgs under the facility and flow in a south-southeasterly direction (SCS, 1988).

Groundwater beneath the Gardena Valley Landfill #4 has been shown to be impacted with high levels of benzene; however, many other chemicals have been found in the groundwater including ethylbenzene, naphthalene, perchloroethylene, chloroform, dichlorobenzene, and DDT. According to documentation reviewed at the DHS, the contaminants may have originated from the former Montrose DDT Plant and the Del Amo Synthetic Rubber Plant, which are located approximately 1.3 to 2 miles northwest of the facility.

4.2.4 Former Werdin Dump

The former **Werdin Dump** is located at 20402 South Main Street. This property is located approximately 1,000 feet east of the Site, beyond Main Street.

Minimal information was found for this facility at the DTSC. This property was operated a Class III landfill in 1964 and was developed into the current mobile home park in 1968.

Household wastes and other inorganic solid waste are present at the site. In 1995 the DTSC issued a No Further Action Planned status for the site (DTSC, 2002).

According to records reviewed for this facility at the DHS, this landfill only accepted inert materials. The facility is inspected by the DHS on an annual basis. According to the latest inspection report, the facility is very well maintained and there are no problems with subsidence.

LFR reviewed Industrial Waste Disposal Permit (No. 3332) prepared by the County of Los Angeles, Department of County Engineer, and issued to this facility on April 17, 1964. According to the permit, "only the materials specified in Condition No. 2.00 may be accepted for disposal at this site. All other materials accepted or deposited on the site shall be removed at the operator's expense and transported to a legal point of disposal."

4.2.5 Former Cal Compact Landfill

The former Cal Compact Landfill is located at 20400 South Main Street. This property is located approximately 1,100 feet northeast and approximately 2,000 feet east of the Site, beyond Main Street. This site was listed on Annual Workplan—Active Site status in April 1996 by the DTSC.

According to the DTSC, the Cal Compact Landfill is a former Class II landfill that occupies approximately 157 acres. Operations at this facility were conducted from 1959 to 1968. The landfill was designated as a Class II facility and at least 250,000 cubic yards of hazardous waste liquids and sludges were disposed. Previous limited investigations show the presence of heavy metals (lead, nickel, arsenic), DDT, herbicides, organic resins, hydrocarbons, and solvents in the soil and land-fill leachate at the site. There is a potential for contaminants to migrate to groundwater, surface water, and air. Exposure of humans to airborne volatile organic compounds in air may be facilitated by movement of these substances from decomposing landfill material to the atmosphere. Although the fill material was capped with about 3 to 20 feet of cover soil when the landfill ceased operations, landfill gas containing methane has been detected escaping from cracks in the cover material and offsite. These gases may contain hazardous volatile organic substances. There is a potential threat to groundwater posed by landfill leachate. Contamination has been found in the unused perched aquifer, which may be hydrologically connected to deeper, usable aquifers. The site is adjacent to the Dominguez Channel, a waterway that flows into the Los Angeles Harbor. Should landfill materials become exposed, they may be transported as rain runoff to the Channel. A remedial action objective (RAO) was issued to 14 potential responsible parties (PRPs) in March 1988. Twelve of the 14 PRPs have been found in noncompliance with the RAO. Due to the bankruptcy of the Landowner, the RJ did not start until September 1990. This work is being conducted by a trustee of the bankruptcy court (DTSC, 2002).

4.2.6 Former Southwest Conservation Landfill

The former Southwest Conservation Landfill (20300 South Main Street) is located approximately 1,200 feet north of the Site, beyond Del Amo Boulevard. This property is also known as Cal-Compact Site No. 2 and Carson Six Drive-in, addressed as 20331 South Main Street. The property is bound by Francisco Street to the north, Main Street to the east, Figueroa Street to the west, and Del Amo Boulevard to the south.

According to the DTSC, this site was permitted as a class II landfill from 1964 to 1971. During this period, the site accepted asbestos material as well as oil field and refinery liquid wastes, including household wastes, drilling mud, unspecified oil-containing waste, metal sludge, and asbestos waste. This landfill did not have sub site preparation to seal the bottom or leachate collection systems. Records further indicate that the amount of groundwater contamination from this landfill would not be easy to quantify/identify because of some other landfills in close proximity to this landfill, and the potential for similar types of chemical contamination contributed by these landfills. Based on a cursory review of this project file, the DTSC-listed Calsite code for this site was revised from No Further Action (NFA) to Preliminary Endangerment Assessment Required (PEAR) site in November 1999 (DTSC, 2002).

4.2.7 Phase I ESA Letter for El Camino Plaza

LFR reviewed a Phase I ESA Letter conducted for the El Camino Plaza, of which the Site is a portion, prepared by SCS Engineers on January 14, 2000. The letter stated the following environmental concerns:

1. The property is almost completely surrounded by landfills. Each landfill is generating methane gas, therefore there is a potential for methane gas migration onto the Site. SCS performed methane gas work associated with buildings located at 315 Torrance Boulevard from 1976 to 1978. Methane gas was detected after the buildings were built by sensors beneath the slab, once at potentially explosive concentrations.

Based on available information, a methane barrier trench beneath Torrance Boulevard runs from Main Street to the middle of the block. Another methane barrier trench is reportedly located on the southern side of the Gardena Valley 1 & 2 landfill. The exact location of this trench could not be determined from the available information, but may be on the Site beneath the parking lot.

2. Portions of the Gardena Valley 1 & 2 Landfill may extend onto the Site. The southern boundary of the fill area has never been precisely defined. Most estimates place the edge of the fill area along the northern edge of the on-site buildings. Locating the southern edge of the landfill exactly would help identify the potential for portions of the Site to be included in remedial efforts.
3. Historical Site use research identified a small industrial operation (petroleum refinery or chemical processing) on the Site from 1941 until approximately 1946 or 1947.

This operation included between 25 and 30 cylindrical aboveground storage tanks and possible wastewater ponds or lagoons.

There is potential for subsurface soil contamination in the area of this industrial plant. BAS boring ASB-1 was placed in this former industrial area. The boring log for that boring recorded a "moist solvent odor" at 25 feet bgs and diesel odors at 30 and 35 feet bgs. It is not known whether these odors are associated with the former industrial operation or can be attributed to the landfill or the former Golden Eagle Refinery operations south of the Site.

4.3 Physical Setting Sources

4.3.1 Geology

4.3.1.1 Surface Features

According to the U.S. Geological Survey (USGS) topographic map for the Torrance, California, Quadrangle, the site elevation ranges from approximately 20 to 25 feet above mean sea level (msl). The local topography is flat, with a slight slope toward the southeast.

Regionally, the Site is located in the West Coast Basin of the Pacific Coastal Plain in Los Angeles County, California. Specifically, the site is situated on the Torrance Plain within the West Coast Basin. The Site is bordered on the north and east by a finger of the Dominguez Erosional Gap (BAS, 1992).

4.3.1.2 Subsurface Features

The Site rests on sediments of the late Pleistocene Upper Lakewood Formation. The upper portion of the Lakewood Formation is comprised of mainly fine grained materials such as silts, silty sands, and clays with discontinuous sandy zones (BAS, 1992).

Borings drilled during BAS's investigation of the Gardena Landfill 1 & 2 indicated alternating layers of silt, clay, clayey sand, silty sand, and sand to approximately 93 feet bgs, correlating with the predicted lithology of the upper Lakewood Formation. A relatively clean, poorly graded, fine sand was encountered at approximately 93 feet, extends down to a thickness of approximately 140 feet, and becomes interbedded with layers of silty sand, clayey sand, silt, and clay to the southeast. The bottom of this is interpreted as being the bottom of the Lakewood Formation (BAS, 1992).

Underlying the Lakewood Formation unconformably is the lower Pleistocene San Pedro Formation, which consists of stratified unconsolidated sand with some interbeds of fine gravel, salty sand, and salt. And is thought to be primarily of marine origin. The formation is estimated to extend to a depth of approximately 1,050 feet in the vicinity of the Gardena Valley 1 & 2 Landfill (BAS, 1992).

It should be noted that LFR has not drilled soil borings at the Site, and the local and regional geologic conditions described herein are based solely upon available literature regarding the area.

4.3.2 Hydrology

4.3.2.1 Surface Water

Surface water is not present on the Site. The nearest surface water body is the Dominguez Channel, which is located approximately 1 mile northeast of the Site.

4.3.2.2 Groundwater

The Site is situated on the Torrance Plain within the West Coast Groundwater Basin and is bordered on the north and east by a finger of the Dominguez Erosional Gap (BAS, 1992).

The most shallow groundwater unit beneath the Site has typically been referred to in historical literature as the Semi-perched Aquifer, also known as the Upper Bellflower Zone. This unit occurs under unconfined conditions, and its water-table elevation is typically higher than the potentiometric surface underlying confined aquifers (Poland et al., 1959). Groundwater in the Upper Bellflower Zone was shown to lie beneath the Site between approximately 43 to 50 feet bgs at 17 to 25 feet below msl. Groundwater in this zone was shown to flow in a north-northwesterly direction under the Site in 1992; however, previous studies in the area have reported the shallow groundwater flow direction to be generally to the southeast (BAS, 1992).

Contours of the Lower Bellflower Zone indicate a flow direction approximately south and 15 degrees east. Depth to groundwater in this zone beneath the Site ranged from approximately 25.5 to 26 feet below msl during sampling in September 1992 (BAS, 1992).

The Gage Aquifer underlay the Site at a depth of approximately 26 to 26.5 feet below msl during sampling in August and September 1992. Water levels recorded in September 1992 from the Gage Aquifer wells indicate a groundwater flow direction of south 22 degrees east (BAS, 1992). The Gage Aquifer is underlain by the Lynwood Aquifer which, in turn, is underlain by the Silverado Aquifer in the Site area (DTSC, 2002).

4.4 Historical Use Information on the Site

Historically, the Site was a portion of surrounding low-lying natural terrain from at least the late 1890s until the early 1940s, when the property was developed with scattered small oil refinery related buildings, drum and equipment storage yards, and possible waste water ponds. The Site was cleared in the mid 1960s and remained vacant until the existing buildings were constructed in the early 1970s.

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According to a September 25, 1957 letter reviewed at the DHS for the north adjacent landfill, the "southern portion of the landfill is flat and contains abandoned facilities of an oil refinery. The northerly portion slopes downward into a low, swampy area and is partially within that area designated by ordinance as unfit for human habitation."

Tenants of the building have included:

- Calvary Chapel and academy – early 1970s to 1994
- Recreation Equipment Incorporated (REI) – approximately 1983 to 2000
- KB Furniture – approximately 1990 to present
- Mission EbenEzer Church – 1994 to present

The Sanborn Map Company of New York generated fire insurance maps for urbanized areas in the late 1800s to mid 1900s to document possible fire hazards related to the types of building structures and their general usage. Sanborn maps were not found for the site vicinity.

4.4.1 Historic Aerial Photograph Review

LFR requested that EDR perform a search of available historic aerial photographs of the Site and immediate area. Photographs dated 1928 to 2001 were reviewed from EDR and the City of Carson. Brief descriptions of the Site and vicinity are provided below. Copies of the photographs are included in Appendix C.

1928

In the 1928 photograph, the Site is depicted as a portion of surrounding natural low-lying terrain. A slough is located adjacent to the north of the Site. Torrance Boulevard is present in its existing location. No structures are visible on the Site. Thirteen ASTs are present at the oil refinery adjacent to the south of the Site, beyond Torrance Boulevard. A building is located further east of the Site, at the intersection of Torrance Boulevard and Main Street. Scattered structures are visible further southwest of the Site, beyond what is currently Figucroa Street.

1947

The 1947 photograph depicts the Site as developed with scattered small buildings, possible drum or AST storage, and dirt access roads. The development continues adjacent to the west, north, and east of the Site. This development appears to be related to oil refinery operations adjacent to the south of the Site. A slough is located further north of the Site. Oil refinery operations including large ASTs and large waste ponds are present south of the Site, beyond Torrance Boulevard. Industrial properties are visible further

northwest of the Site. Scattered residential developments are present further west, south, and southeast of the Site.

1952

In the 1952 photograph, the Site and adjacent properties appear substantially similar to the 1947 photograph. Scattered small industrial buildings, drum/equipment storage areas, and dirt access roads are present on the Site and on the west, north, and east adjacent properties. Oil refinery operations are located adjacent to the south of the Site. A slough is present further north of the Site. Additional development is visible further south and southeast of the Site.

1965

In the 1965 photograph, the Site has been cleared and graded level. The slough formerly located north of the Site has been filled, and a storm drain has been constructed further to the north. A small industrial building is present adjacent to the east of the Site along Torrance Boulevard. The 110 Freeway has been constructed west of the Site. Figueroa Street has been relocated to its current location. The Gardena Valley 1 & 2 Landfill appears to be covered with scattered vegetation and has been compacted level. Residential dwellings are visible further east of the Site, beyond Main Street. The oil refinery observed in the previous photographs is present adjacent to the south of the Site. Dense development is visible further to the southwest, south, and southeast of the Site.

1976

In the 1976 photograph, the Site is developed with the existing buildings and surrounding parking lots. Most of the current east adjacent buildings are depicted in this photograph. The west adjacent building is not present. The site buildings appear to be recently constructed. The north adjacent landfill appears to be covered with scattered vegetation. The oil refinery operation is visible adjacent to the south of the Site.

1989

In the 1989 photograph, the Site is developed with the existing structures. The west and east adjacent properties are developed with the existing structures. Vehicles appear to be present on the north adjacent landfill. The south adjacent oil refinery is in the process of demolition. Several AST foundations are visible along with discolored soil and heavy scarring. The remaining surrounding properties appear similar to what is there presently.

1994

The 1994 photograph depicts the Site and surrounding west, north, and east properties similar to their current configurations. The south adjacent former oil refinery has

been filled and graded, and appears ready for redevelopment into the current Kmart property.

2001

The 2001 photograph depicts the Site and surrounding properties similar to their existing configurations.

4.4.2 U.S. Geological Survey Topographical Map Review

LFR requested that EDR perform a search of available historic USGS topographic maps of the Site and immediate area. Topographic maps dated 1896, 1924, 1948, 1951, 1964, 1972, and 1981 were reviewed. Brief descriptions of the Site and vicinity, as they appear in these maps, are provided below. Copies of the maps are included in Appendix C.

1896

The 1896 map depicts the Site and surrounding vicinity as a portion of natural low-lying terrain. A large slough is present to the northeast, and an arm of the slough is present north and west of the Site. No streets or structures are located in the site vicinity.

1924

The 1924 map depicts the Site as natural low-lying land. Figueroa Street is labeled as Harbor Boulevard west of the Site. Torrance Boulevard is not depicted on this map. A slough is present north of the Site, and the main portion of the slough shown in the 1896 map northeast of the Site has been channeled. No structures are present on the Site or in the site vicinity.

1948 and 1952

The 1948 and 1952 maps depict the Site as undeveloped terrain. The oil refinery is shown south of the Site, beyond Torrance Boulevard. A slough is present north of the site. Development is present further east, west, and south of the Site. Figueroa Street (Harbor Boulevard in the 1924 map) is labeled as Highway 6 west of the Site.

1964

The 1964 map depicts the Site as undeveloped land. The north slough has been channeled. A structure is depicted adjacent to the east of the Site. The oil refinery is depicted south of the Site. New development is present further to the southwest, south, and east of the Site.

1972

The 1972 map depicts the Site developed with the existing structures. Structures are also present adjacent to the east of the Site. The remaining surrounding properties appear similar to those depicted on the 1964 map.

1981

The 1981 map depicts the Site developed with the existing structures. The existing east adjacent structures are present. The remaining surrounding properties appear similar to those depicted on the 1972 map.

4.5 Historical Use Information on Adjoining Properties

Historically, the site vicinity consisted of natural low-lying terrain from at least the late 1890s until 1922, when the south oil refinery was developed. The oil refinery operated until 1984, and the property was redeveloped into the existing Kmart shopping center in the mid 1990s.

The east, west, and north adjacent properties were developed with scattered small oil refinery related buildings, drum and equipment storage yards, and possible waste water ponds in the early 1940s and existed until the Gardena Valley 1 & 2 Landfill was created north of the Site in 1956. The west adjacent property was developed with the existing structure in the early 1980s. The east adjacent property was developed with the existing structures in the early 1960s.

The Site is surrounded by former landfills. Information regarding these landfills can be found in Section 4.2.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

On July 11, 2002, Mr. Blake Hunter of LFR conducted a reconnaissance-level assessment of the Site to observe general site conditions and indications of the possible release(s) of hazardous materials and/or petroleum products to the subsurface. Mr. Hunter was escorted during the site inspection by Reverend Isaiah Jajardo of the Mission EbenEzer Church.

5.2 General Site Setting

The approximately 4.68-acre Site is located on the northern side of Torrance Boulevard and is developed with two attached buildings and surrounding asphalt-paved parking lots.

The building located at 425 West Torrance Boulevard is approximately 26,500 square feet, and the building located at 415-405 West Torrance Boulevard is approximately 51,300 square feet.

5.3 Exterior Observations

The 405-415 West Torrance Boulevard building consists of a vacant retail/office space, Mission EbenEzer Church offices, a sanctuary, and a small chapel. The exterior of the building is stucco with wood frame and brick trim, and has asphalt shingle and rolled sheet roofing. Exterior paint trim on the building was observed to be damaged in areas.

The 425 West Torrance Boulevard building consists of KB Furniture, vacant offices, and a small chapel. The exterior of the building consists of stucco with wood frame, and has asphalt shingle and rolled sheet roofing. Exterior paint trim on the building was observed to be damaged in areas.

Subsiding was observed in the north parking lots directly north of the building. According to Rev. Jajardo, the parking lot is constantly sinking even after repair. Rev. Jajardo stated that heavy flooding occurs after rains due to improper drainage.

Rev. Jajardo was not aware of any active monitoring wells present on-Site. Monitoring wells GW-6A, -6B, and -6D indicated on the BAS report were not observed at the time of the inspection. However, two dumpsters and stored material were present in the area of the reported monitoring wells at the time of the inspection.

No evidence of USTs, septic systems, sumps or ponds was observed at the Site.

5.4 Interior Observations

The offices, sanctuary, and small chapel in the 405-415 West Torrance Boulevard building have drywall walls, suspended ceilings with fluorescent lights, and carpeted floors. The kitchen has vinyl sheet flooring, and the bathrooms and entryway to the main sanctuary from outside have vinyl floor tile (VFT). The interior building materials appeared to be in good physical condition. According to Rev. Jajardo, the interior of the building was heavily renovated in the late 1990s.

Two private garages are present at the southwest corner of the 405-415 West Torrance Boulevard building. The garages were filled with furniture, BBQ equipment, church supplies, and small quantities of paint. Staining was not observed on the concrete floor of the garages; however, close inspection of the floors could not be made due to the amount of material in the garages.

The KB Furniture store in the 425 West Torrance Boulevard building has drywall walls, suspended ceilings, and fluorescent lighting; half of the floor is concrete with evidence of carpet mastic, and the other half is carpeted. The small chapel has drywall ceilings and

walls, fluorescent lighting, metal center beam with connecting wood beams, skylights, and carpeted floors. The interior building materials appeared to be in good physical condition.

A small area at the northeast corner of the KB Furniture facility is used for small furniture repairs and touch-ups. Numerous small containers of stains, thinners, and paints were observed on a roll cart in this area at the time of the site inspection. Minor staining was observed on the concrete floor beneath the cart; however, the floor appeared to be in good physical condition.

6.0 INTERVIEWS

6.1 Interview with Owner

Rev. Jajardo of the Mission EbenEzer Church provided LFR with information pertaining to historical and current site operations. Rev. Jajardo escorted LFR throughout the Site. Rev. Jajardo was helpful and appeared to be truthful and forthright in his answers to LFR's questions.

6.2 Interview with Site Manager

LFR contacted Rev. Jajardo of the Mission EbenEzer Church. Rev. Jajardo's comments can be found in Section 6.1 above.

LFR contacted the owner of the KB Furniture store. The owner would not provide his name and minimally answered LFR's questions regarding facility operations.

6.3 Interviews with Site Occupants

LFR contacted Rev. Jajardo of the Mission EbenEzer Church and the owner of the KB Furniture store. Their comments can be found in Sections 6.1 and 6.2 above.

6.4 Interviews with Local Government Officials

LFR contacted staff at the DHS, DTSC, City of Carson Building, Planning, and Engineering Departments, and the Dominguez Water Company for information regarding historical on- and off-site operations. Information from these sources can be found in Sections 4.2 and 4.4 of this report.

6.5 Interviews with Others

No other persons, beyond those discussed elsewhere in this report, were interviewed as part of this Phase I ESA.

7.0 FINDINGS

LFR performed a Phase I ESA of the Mission EbenEzer Church property addressed as 405, 415, and 425 West Torrance Boulevard, in the City of Carson, County of Los Angeles, California. The approximately 4.68-acre Site is located on the northern side of Torrance Boulevard and is developed with two attached buildings, a surrounding asphalt-paved parking lot, and landscaping.

7.1 On Site

Historically, the Site was a portion of surrounding low-lying natural terrain from at least the late 1890s until the early-1940s, when the property was developed with scattered small oil refinery related buildings, drum and equipment storage yards, and possible wastewater ponds. The Site was cleared in the mid-1960s and remained vacant until the existing buildings were constructed in the early-1970s. Reportedly, soil sampling conducted in the former location of the refinery buildings yielded field indications of petroleum and possible solvent contamination. In addition, soil sampling and analysis conducted as part of the Gardena 1 & 2 Landfill characterization work indicated that arsenic concentrations at the Site were above both industrial PRGs and background levels.

The building at 405-415 West Torrance Boulevard consists of a vacant retail/office space, Mission EbenEzer Church offices, the sanctuary, and a small chapel. The building at 425 West Torrance Boulevard consists of KB Furniture, vacant offices, and a small chapel.

Exterior paint trim on both buildings was observed to be damaged in areas.

A portion of the former Gardena Valley 1 & 2 Landfill occupies the northern parking lot of the subject property. Subsiding was observed in this area directly north of the site buildings. According to Rev. Jajardo of Mission EbenEzer Church, the parking lot is constantly sinking even after repair. Rev. Jajardo stated that heavy flooding occurs after rains due to improper drainage.

Rev. Jajardo was not aware of any active monitoring wells present on the Site. Monitoring wells GW-6A, -6B, and -6D indicated on the Remedial Investigation Report prepared by Bryan A. Stirrat (BAS, 1993) were not observed at the time of the site inspection. However, two dumpsters and stored material were present in the area of the reported monitoring wells at the time of the inspection.

Two private garages are located at the southwest corner of the 405-425 West Torrance Boulevard building. The garages were filled with furniture, barbecue equipment, church supplies, and small quantities of paint. Staining was not observed on the concrete floor of the garages; however, close inspection of the floors could not be made due to the amount of material in the structures.

A small area at the northeast corner of the KB Furniture facility is used for small furniture repairs and touch-ups. Numerous small containers of stains, thinners, and paints were observed on a roll cart in this area at the time of the inspection. Minor staining was observed on the concrete floor beneath the cart; however, the floor appeared to be in good physical condition.

No evidence of underground storage tanks, septic systems, sumps or ponds was observed at the Site.

7.2 Off Site

Historically, the site vicinity consisted of natural low-lying terrain from at least the late 1890s until 1922, when an oil refinery was developed to the south. The oil refinery operated until 1984 and was redeveloped into the existing Kmart shopping center in the mid 1990s.

The east, west, and north adjacent properties were developed with scattered small oil refinery related buildings, drum and equipment storage yards, and possible waste water ponds in the early 1940s. These facilities existed until the Gardena Valley 1 & 2 Landfill was created north of the Site in 1956. The west adjacent property was developed with the existing structure in the early 1980s. The east adjacent property was developed with the existing structures in the early 1960s.

Adjoining properties currently consist of a vacant lot to the north (historical Gardena Valley 1 & 2 landfill), beyond which is a self-storage yard. Torrance Boulevard is present adjacent to the south of the Site, beyond which is a Kmart shopping center. An electrical supply facility is located adjacent to the east of the Site, and an antique store is present adjacent to the west of the Site.

The Site is surrounded by former landfills. The former Gardena Valley 1 & 2 Landfill is present directly north of the Site (this landfill also included the Site's north parking lot). The former Gardena Valley Landfill 5 lies adjacent to the south of the Site on the south side of Torrance Boulevard. The former Gardena Valley Landfill 4 is located approximately 900 feet west of the Site. The former Werdin Dump is present approximately 1,000 feet east of the Site. The former Cal-Compact Landfill lies approximately 1,100 feet northeast of the Site. The former Southwest Conservation Landfill is located approximately 1,200 feet north of the Site.

An environmental database report prepared by EDR was reviewed for local, state, and federal listings for properties within the site vicinity. Regulatory database lists were reviewed for cases pertaining to leaking USTs and ASTs, hazardous waste sites, and abandoned sites within the specified radii of standards established by the ASTM. The following former landfills are located in the vicinity of the Site:

- The former **Gardena Valley Landfill 1 & 2** is located directly north of the Site and includes the north parking lot of the Site. This property is listed on the SWF/LF, Cal-

Site, DEED, and CA Bond Expenditure Plan databases. This facility was placed on Annual Workplan – Active Site status in March 1998 by the DTSC. Records for this facility were reviewed from the DTSC, Los Angeles County DHS, and the Client. Groundwater from this property has been shown to be impacted with a variety of contaminants that have impacted groundwater beneath the Site. Concentrations of several inorganic compounds exceed MCLs. In addition, soil cover was noted to be impacted with metals, pesticides, and PCBs. Arsenic concentrations exceed both the industrial PRGs and State background levels. It is also documented that significant quantities of methane are released from this former landfill. Reportedly, a trench (assumed to intercept methane) may be present between the landfill and the Site.

- The former **Gardena Valley Landfill 5** (also known as the former **Golden Eagle Refinery Landfill**) is located adjacent to the south of the Site, beyond Torrance Boulevard, at 21000 South Figueroa Street. The former landfill is listed on the SWF/LF, Cortese, WMUDS/SWAT, CERCLIS, FINDS, RCRIS-LQG, RCRIS-TSD, Cal-Site, DEED, HAZNET, and Los Angeles County HMS databases. This property, which is currently occupied by the Kmart shopping center, was placed on Certified/Operation & Maintenance status by the DTSC in August 1995. No contamination has been detected in downgradient monitoring wells at the property line of this facility, indicating that contamination has not migrated off-site.
- The former **Gardena Valley Landfill 4** (833 West Torrance Boulevard) is located approximately 900 feet west of the Site, beyond the 110 Freeway. The property is listed on the SWF/LF, CERCLIS, and Los Angeles County HMS databases. Groundwater beneath this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site.
- The former **Werdin Dump** (20402 South Main Street) is located approximately 1,000 feet east of the Site, beyond Main Street. The property is listed on the SWF/LF, Cortese, WMUDS/SWAT, and Cal-Site databases. Groundwater in the area of this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site.
- The former **Cal Compact Landfill** (20400 South Main Street) is located approximately 1,100 feet northeast and approximately 2,000 feet east of the Site, beyond Main Street. The property is listed on the SWF/LF, Cortese, AWP, and Cal-Site databases. In April 1996 the DTSC listed this facility on Annual Workplan – Active Site status. Groundwater in the area of this facility has been shown to flow in a south-southeast direction, crossgradient from the Site. Therefore, this facility is not expected to pose a significant environmental concern to the Site.
- The former **Southwest Conservation Landfill** (20300 South Main Street) is located approximately 1,200 feet north of the Site, beyond Del Amo Boulevard. The facility is listed on the SWF/LF, Cortese, CA Bond Expenditure Plan, WMUDS/SWAT, and

Cal-Site databases. According to the DTSC, a preliminary endangerment assessment is required for the facility. Groundwater in the area of this facility has been shown to flow in a south-southeasterly direction, potentially upgradient from the Site. Records reviewed at the DTSC indicate that the amount of groundwater contamination from this landfill would not be easy to quantify/ identify because of similar landfills in close proximity to this landfill, and the potential for similar types of chemical contamination contributed by these landfills (DTSC, 2002).

8.0 OPINION

8.2 On Site

The southern portion of the former Gardena Valley 1 & 2 Landfill extends onto the Site and occupies the Site's north parking lot. The presence of this landfill on the Site represents a recognized environmental condition.

Historically, a small petroleum refinery operation was present on the Site from 1941 until the early 1960s. This operation included cylindrical ASTs, equipment storage, and possible wastewater ponds or lagoons. There is anecdotal evidence of potential soil contamination from these operations. In addition, arsenic is present at concentrations above industrial PRGs and background levels. The historical presence of this facility and the associated impacted soil represents a recognized environmental condition.

Due to the original date of construction, the presence of potential asbestos-containing material and lead-based paint may be present on-Site. Although the potential presence of these materials does not represent a recognized environmental condition per se, it is LFR's opinion that it is a feature of concern.

8.2 Off Site

The Site is surrounded by former landfills. Of concern is the Gardena Valley Landfill 1 & 2 landfill, which is located adjacent to the north of the Site. It is documented that this former landfill is generating methane and potentially other landfill-associated toxic gases. Therefore, there is a potential for methane gas (and associated landfill gas) to migrate onto the Site. Arsenic is also present in the landfill cover soils at concentrations above regulatory levels. In addition, inorganic constituents may be present in groundwater at concentrations that exceed MCLs. A landfill cap final design has been prepared and it is LFR's understanding that DTSC has approved this document for implementation. It is LFR's opinion that the potential for methane (and potentially other gas) migration onto the Site is a recognized environmental condition.

An environmental database report prepared by EDR was reviewed for local, state, and federal listings for properties within the site vicinity. Regulatory database lists were.

reviewed for cases pertaining to leaking USTs and ASTs, hazardous waste sites, and abandoned sites within the specified radii of standards established by the ASTM. Several of the off-site landfills listed in the EDR report represent recognized environmental conditions due to groundwater contamination and methane gas.

9.0 CONCLUSIONS AND RECOMMENDATIONS

LFR has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E1527-00 for Phase I ESAs. Any exceptions to or deletions from this practice are described in Section 1.4 of this report. This assessment has revealed evidence of recognized environmental conditions and features of concern in connection with the subject property, as discussed below:

- The southern portion of the former Gardena Valley 1 & 2 Landfill extends onto the Site and occupies the Site's north parking lot. The landfill is known to generate methane, and there is the potential for methane gas and other VOCs from the landfill to migrate beneath the Site. Because of the explosion hazard associated with methane, and the potential health hazard associated with other landfill gases (VOCs) that may be entrained with the methane, LFR recommends soil-gas sampling adjacent to the site buildings to characterize the extent (if any) of methane and VOCs beneath the Site. In addition, the presence or absence of an interceptor trench between the Site and the landfill should be verified.
- Groundwater beneath the Site has been impacted by the former Gardena Valley 1 & 2 Landfill. Groundwater in the lower Bellflower and Gage aquifers flows to the south-southeast. A review of historic groundwater data indicates concentrations of some inorganic constituents may exceed MCLs. LFR recommends sampling the existing on-site groundwater monitoring wells or, if no on-site wells exist, collecting groundwater samples via hydropunch.
- A small petroleum refinery operation was historically present on the Site. This operation included cylindrical ASTs, equipment storage, and possible wastewater ponds or lagoons. Reported analytical results indicate that arsenic concentrations exceed regulatory levels, and that diesel or solvent may be present in soils. LFR recommends soil gas and soil matrix sampling to determine the presence or absence of petroleum hydrocarbons, VOCs, semi-volatile organic compounds, and metals. In addition, LFR recommends groundwater sampling for the same list of constituents.
- Due to the original date of construction, ACM and LBP may potentially be present on the Site. LFR recommends that a comprehensive asbestos and LBP survey be conducted prior to renovation or demolition of the site structures.
- Based on the potential for methane gas and other VOCs to migrate onto the Site from the former Gardena 1 & 2 Landfill, LFR recommends that a thorough review of the

mitigation design and implementation schedule be conducted prior to implementation of the mitigation.

10.0 DEVIATIONS

LFR did not deviate from the scope of work for this Phase I ESA in any way.

11.0 ADDITIONAL SERVICES

LFR did not perform any work outside the scope of work as defined in Section 1.2 of this report.

12.0 REFERENCES

- Bryan A. Stirrat & Associates. 1993. Groundwater Remedial Investigation Report, Gardena Valley 1 & 2 Landfill. April 13.
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13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Information, conclusions, and recommendations in this document have been prepared and reviewed by the following LFR Levine-Fricke personnel.

Blake Hunter
Project Manager

Date

Derrick Willis
Principal Hydrogeologist

Date

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Resumes for Blake Hunter, Project Manager, and Derek Willis, Principal Hydrogeologist, are included on the following pages.

APPENDIX A

Site Photographs

APPENDIX B

Regulatory Records Documentation

APPENDIX C

Historic Records Documentation

APPENDIX D

Interview Documentation

Draft, Privileged, and Confidential
For Discussion Purposes Only

LFR Levine-Fricke

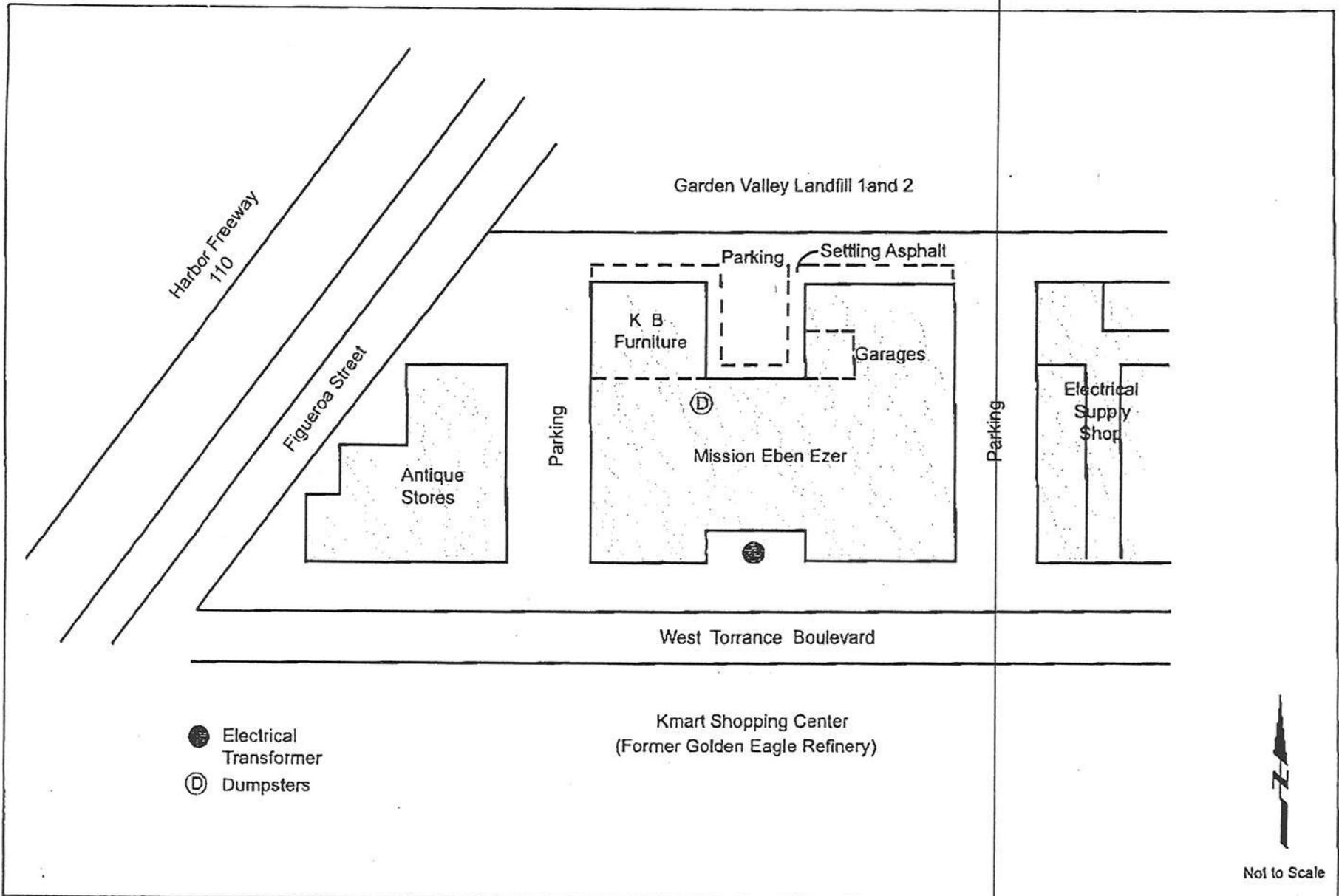
INTERVIEW DOCUMENTATION

- Reverend Isaiah Jajardo
Mission EbenEzer Church
Carson, California

- Staff
City of Carson
Building, Planning, and Engineering Departments
Carson, California

- Staff
Department of Toxics Substances Control
Glendale, California

- Staff
County of Los Angeles Department of Health Services
Baldwin Park, California



10028-00Site 072802 PBI/wxr

Mission Eben Ezer Church



Site Plan

Figure 2

Project No. 002-10028-00

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September 30, 2002

Project No. 22345

**Phase II Subsurface Soil, Soil-Vapor, and
Groundwater Investigation
Investigation**

405 – 425 West Torrance Boulevard
Carson, California 90745

Prepared For

RAND RESOURCES, LLC

1111 La Collina Drive
Beverly Hills, CA 90210

Prepared By

AEI Consultants
2309 Pacific Coast Highway, Suite 206
Hermosa Beach, CA 90254
(310) 798-425

September 26, 2002

Mr. Richard Rand
Rand Resources, LLC
1111 La Collina Drive
Beverly Hills CA 90210

Subject: Subsurface Soil, Soil-Vapor, and Groundwater Investigation
405-425 West Torrance Boulevard
Carson, CA 90745

Dear Mr. Rand:

The following letter report describes the activities and results of a Subsurface Soil, Soil-Vapor, and Groundwater Investigation conducted by AEI Consultants (AEI) at the above referenced property. This investigation was performed as part of the due diligence process during the sale of this property. Mr. Derrick S. Willis of Levine-Fricke Environmental Consulting, Engineering, and Management (LFR) represented the buyer, specified the investigative scope of work, and witnessed most of the fieldwork.

The purpose of this investigation was to confirm the absence or presence of petroleum-related hydrocarbons, volatile organic compounds (VOC's), and toxic heavy metals in shallow soils, deep soils, and in groundwater associated with the apparent former use of the property as part of a petroleum refinery, and to determine whether a release occurred on the subject property. The investigation was also performed to evaluate the extent of methane vapor intrusion into shallow soils related to the Gardena Valley 1 & 2 Landfill, which extends underneath the subject property's northern parking lot.

I Property Description

The subject property is located at 405-425 West Torrance Boulevard in a commercial and light industrial area of the City of Carson. The subject property is located on the north side of West Torrance Boulevard, just east of Figueroa Avenue and the 110 Freeway. To the east, a commercial television company, Direct TV, borders the subject property. To the north, the subject property is bordered by the former Gardena Valley 1 & 2 Landfill, which extends underneath the subject property's northern parking lot. To the south, the subject property is bordered by a K-Mart shopping center and associated parking lot. Please see Figure 1 for a representation of the surrounding vicinity.

The subject property at 405-415 West Torrance Boulevard is currently developed with a partially vacant building containing retail space, office space, the Eben-Ezer Church, and associated parking to the east and north. The subject property at 425 West Torrance

Boulevard is currently developed with a retail furniture outlet, office space, and associated parking to the west and north. The subject property is accessible via West Torrance Boulevard and northbound Figueroa Street.

The US Geological Survey Torrance Quadrangle 7.5-Minute Series topographic map, created in 1964 and photorevised in 1981, shows the subject property is located at approximately 23 feet above mean sea level. The topography of the region is relatively flat and consists of gently rolling, dissected topography. The subject property improvements are included on the map (see Figure 1).

II Investigative Scope

The scope of this investigation included developing a Health and Safety Plan specific to the site; locating subsurface utilities by calling USA Dig Alert; drilling 2 deep soil borings (AEI-RR-BD1 and AEI-RR-BD2) to depths of 50 feet below ground surface (bgs) and 62 feet bgs, respectively; collecting groundwater Hydropunch® samples from these deep borings where groundwater was encountered; drilling two intermediate soil borings (AEI-RR-BI3 and AEI-RR-BI4) to a depth of 30 feet bgs; and drilling seven soil-vapor borings (AEI-RR-SV1 through AEI-RR-SV7) to a depth of nine and one-half feet bgs. AEI also measured depths to groundwater, then purged and sampled two existing on-site monitoring wells located in the central portion of the subject property.

The investigation was generally focused on the northern portion of the subject property, where the southern edge of the former Gardena Valley 1 & 2 landfill extends onto the northern portion of the subject property (Figure 2). The investigation was also focused around areas suspected to have hosted Aboveground Storage Tanks (AST's) containing unspecified materials apparently related to the former Golden Eagle Refinery, which was located adjacent to the south, across West Torrance Boulevard. Mr. Derrick S. Willis, Principal Hydrogeologist for Levine-Fricke (LFR) and consultant for the buyer of this property, selected boring locations, as well as depths of soil samples to be analyzed.

Please see Table 1 below for boring location rationale, and soil and vapor analyses performed. Refer to Figure 2, Site Map, for a representation of boring locations.

Table 1. Boring Locations, Sampling Schedule, and Analyses Performed

| Area of Concern | Number of Borings | Boring Identification | Maximum Depth (feet) | Number of Samples Analyzed | | | | | |
|------------------------------------|-------------------|-----------------------|----------------------|----------------------------|------------------|--------------------|------------------|------------------|---------------------|
| | | | | Soil VOCs (8260) | Soil TRPH (8015) | Soil CAM 17 (7000) | Vapor VOCs GC/MS | Vapor TRPH GC/MS | Vapor Methane GC/MS |
| Deep Soil | 2 | AEI-RR-BD1 | 50 | 3 | 3 | 1 | - | - | - |
| | | AEI-RR-BD2 | 62 | 3 | 3 | - | - | - | - |
| Intermediate Soil | 2 | AEI-RR-BI3 | 30 | 3 | 3 | 1 | - | - | - |
| | | AEI-RR-BI4 | 30 | 3 | 3 | 1 | - | - | - |
| Landfill Perimeter Vapor | 4 | AEI-RR-SV1 | 9.5 | - | - | - | 1 | 1 | 1 |
| | | AEI-RR-SV3 | 9.5 | - | - | - | 1 | 1 | 1 |
| | | AEI-RR-SV4 | 9.5 | - | - | - | 1 | 1 | 1 |
| | | AEI-RR-SV5 | 9.5 | - | - | - | 1 | 1 | 1 |
| Away from Landfill Perimeter Vapor | 3 | AEI-RR-SV2 | 9.5 | - | - | - | 1 | 1 | 1 |
| | | AEI-RR-SV6 | 9.5 | - | - | - | 1 | 1 | 1 |
| | | AEI-RR-SV7 | 9.5 | - | - | - | 1 | 1 | 1 |
| Totals | 11 | 11 | 238.5 | 12 | 12 | 3 | 7 | 7 | 7 |

Notes:

VOCs = Volatile organic compounds

TRPH = Total Recoverable Petroleum Hydrocarbons

- = Not Analyzed

A total of three groundwater samples were also collected during the investigation. One groundwater sample was recovered from a deep boring (AEI-RR-BD1) via Hydropunch®, and two samples were recovered from existing on-site monitoring wells located by AEI. Please refer to Table 2 below for information pertinent to groundwater sampling.

Table 2. Pertinent Groundwater Sampling Information

| Sample Type | Sample Name | Measured Depth (ft. bgs) | Screened Interval (ft. bgs) | Aquifer Sampled | Measured Water Depth (ft. bgs) | Well Serviceable ? |
|-------------------|------------------|--------------------------|-----------------------------|-------------------------|--------------------------------|--------------------|
| Hydro-punch | (AEI-RR-BD1-43') | NA | 41-45 | Upper Bellflower | NA | NA |
| Monitoring Well A | (AEI-RR-WA) | 71.00 | 45-60 | Upper/Middle Bellflower | 45.87 | Yes |
| Monitoring Well C | (AEI-RR-WC) | 86.84 | 80-90 | Lower Bellflower | 46.47 | Yes |

Notes:

ft = feet

bgs = Below Ground Surface

NA = Not Applicable

III Lithology

Site Geology

According to the Dibblee Foundation Geologic Map of Palos Verdes Peninsula and Vicinity (Map DF-70; printed May, 1999), which includes the Torrance Quadrangle, the area surrounding the subject property is underlain by Quaternary surficial sediments composed of alluvium and mostly loamy clay of valleys and floodplains. In the vicinity of the subject property, these sediments are slightly elevated and locally dissected. The surficial sediments are underlain by shallow marine sediments known as the San Pedro Sand. The San Pedro Sand is composed of light grey to reddish-brown sand and pebble gravel, with pebbles derived mostly from Miocene hard siliceous shale and limestone detritus. The San Pedro Sand is massive to locally cross-bedded.

On-site borings indicated that the soil generally consists of alternating layers of well-sorted, poorly-graded fine sands, and silts and clays to the terminal depth of the borings. Artificial fill was encountered in on-site borings, possibly up to approximately 20 feet thick. Please see Attachments: Boring Logs, for a representation of subsurface lithology at locations where soil samples were collected.

Site Hydrogeology

The subject property is located on the Pacific Coastal Plain of the Los Angeles Basin. The groundwater basins underlying the Coastal Plain are divided by geological features

into the Central, West Coast, Santa Monica, and Hollywood Basins. According to the Los Angeles County Department of Public Works Hydrologic Report, the subject property is located in the West Coast Basin. The West Coast Basin is the second largest basin underlying the Coastal Plain and is separated from the Central Basin by the Newport-Inglewood Fault Zone. Groundwater is primarily recharged by Central Basin subsurface flows and by water injected by the Department in the West Coast Basin and Dominguez Gap Barrier Projects. Groundwater elevations in the West Coast Basin are below sea level except in the area of the West Coast Basin Barrier injection mound.

According to a Phase I Environmental Site Assessment of the subject property provided by LFR, the first encountered groundwater in the vicinity of the subject property is known as the Upper Bellflower Zone (also known as the Semi-perched Aquifer in the historical literature). This zone is known to lie beneath the subject property at depths of approximately 43 to 50 feet bgs (17 to 25 feet below mean sea level). According to Bryan A. Stirrat & Associates (BAS), groundwater in the Upper Bellflower was shown to flow north-northwesterly under the subject property in 1992. Previous studies, however, have reported this shallow groundwater flows generally to the southeast.

IV Methodology

Sampling Methods- Soil Borings

Deep soil samples were collected on September 16, 2002 using a Geoprobe by driving 2-inch diameter hollow rods using a truck-mounted hydraulic push probe sampler to terminal depths of 50 feet (AEI-RR-BD1) and 62 feet (AEI-RR-BD2). Intermediate soil samples were collected on September 17, 2002, using a Geoprobe by driving 2-inch diameter hollow rods using a truck-mounted hydraulic push probe sampler to terminal depths of 30 feet.

Soil samples were collected from each soil boring location at five-foot intervals, using EPA Method 5035 for sample collection and preservation for sample intervals identified during field screening. Field screening consisted of a photo-ionization detector (PID) reading of each sample, and visual and olfactory observations. It should be noted that inconsistent and anomalous readings were obtained from the PID during field activities. At one point, background levels above 60 were displayed for a short period before decreasing to zero. Instrument malfunction of the PID was noted during drilling; however, this malfunction should in no way compromise the accuracy of the reported data from collected samples.

On September 17, 2002, all soil samples for analysis were collected and preserved using EPA Method 5035, immediately placed in a water ice cooler, and transported under chain of custody protocol to Southland Technical Services Environmental Laboratories, Inc., in the City of Montebello, California (State Certification No. 1986). Analyses performed are specified in Table 1 above. All other soil samples were collected in acetate or brass liners, sealed with Teflon® tape and end caps, immediately stored in a water ice cooler, and then were placed on hold at the laboratory, pending initial results.

Sampling Methods- Soil-Vapor Borings

During the September 17, 2002 investigation, vapor samples were collected at each vapor boring location from nine and one-half feet bgs using the Los Angeles Regional Water Quality Control Board Interim Guidance for Active Soil Gas Investigation protocols, dated February 25, 1997, as a general guideline. Soil-vapor samples were collected by driving 2-inch diameter hollow rods to a depth of nine and one-half feet using a truck-mounted hydraulic push probe sampler. One-quarter inch inside diameter tubing was attached to the probe tip and tested for air-tightness before each sample was recovered. Vapor samples were collected by AEI using airtight Tedlar bags and were immediately transported under proper chain-of-custody to Southland Technical Services on September 17, 2002, for analyses specified in Table 1 above.

Sampling Methods- Groundwater Hydro-punches

The Upper Bellflower Zone, as discussed above, was encountered during this investigation at a depth between 40 and 45 feet below ground surface (bgs) in each of the two deep borings (AEI-RR-BD1 and AEI-RR-BD2). During drilling, soil samples were collected at a depth of forty feet from each of the deep borings (AEI-RR-BD1-40' and AEI-RR-BD2-40'). Soil sample AEI-RR-BD1-40' was very moist, while sample AEI-RR-BD2-40' was described as moist. While pulling out the rods from the forty-five foot sample in each of the deep borings, water was noted inside the rods at 15 feet (AEI-RR-BD1) and 25 feet (AEI-RR-BD2) above the sample, indicating that the groundwater was under pressure. Soil samples from forty-five feet in each boring were moist with no apparent free water.

After collecting the forty-five foot soil sample, a four-foot screened Hydropunch® was lowered to 41-45 feet bgs in each deep soil boring to collect groundwater samples. Three laboratory-supplied, sterile Volatile Organic Analysis (VOA) vials were collected from boring AEI-RR-BD1 at 41 to 45 feet bgs.

Boring AEI-RR-BD2 did not produce enough water to collect three VOAs. Boring AEI-RR-BD2 was extended to a terminal depth of sixty-two feet bgs for the purpose of sampling the lower Bellflower aquifer. No free water was observed in the soil sample taken from sixty-two feet (AEI-RR-BD2-62'), and no Hydropunch® sampling was attempted. As such, only one Hydropunch® sample (AEI-RR-BD1-43') was obtained during the investigation.

Sampling Methods- Groundwater Monitoring Wells

AEI located and measured the depths to groundwater in two existing on-site groundwater monitoring wells (WA and WC) on September 17, 2002. The well locations are shown on Figure 2. According to oral communication with Mr. Derrick S. Willis of LFR on September 17, 2002, well "A" (WA) is screened from 45 feet to 60 feet bgs, consistent with the known depth of the Upper Bellflower (Semi-perched) Aquifer. Well "C" (WC)

is screened from 80 feet to 90 feet bgs, consistent with the depth of the Lower Bellflower Aquifer.

The depths to water were measured in each well from the top of the well casings prior to purging with an electric water level indicator. The wells were purged on September 18, 2002 using a clean, three and three-quarter inch-diameter PVC bailer. The bailer and rope were decontaminated using a Liquinox® solution and were triple-rinsed between purging of each well. During the purging process, field measurements were taken using an Horiba Model U-10 analyzer to measure pH, temperature, conductivity, dissolved oxygen, salinity and turbidity. Four well volumes of groundwater were removed from each well. All purge water was retained in DOT 17H drums and is awaiting proper disposal. Results of the field observations and measurements are presented in Attachments: Groundwater Monitoring Well Field Sampling Forms.

Water levels had returned to at least 90% of the original volume when a groundwater sample was collected from each well. Groundwater samples were collected from each well on September 18, 2002 using new, disposable Teflon® bailers. Water was poured from the bailers into laboratory supplied, sterile, 40 ml VOA vials, and capped so that neither headspace nor air bubbles were visible within the sample containers. Samples were immediately transported on ice under proper chain of custody protocol to Southland Technical Services, 7801 Telegraph Road, Suite L, Montebello, CA 90640. Groundwater samples were submitted for chemical analyses for TPH (C4 - C23) via EPA Method 8015M and volatile organic compounds (VOCs) via EPA Method 8260B.

V Findings

Please refer to Figure 3, Site Map and Data, for a visual representation of sampling locations and summarized reported analytical data.

Soil Sample Results

As indicated in Table 1, a total of twelve soil samples from deep and intermediate borings AEI-RR-BD1, AEI-RR-BD2, AEI-RR-BI3, and AEI-RR-BI4 were collected, prepared using EPA Method 5035 for sample preservation, and analyzed via EPA Method 8260 for volatile organic compounds (VOCs) and via EPA Method 8015 for Total Petroleum Hydrocarbons (TPH) for the C4 - C40 range. Three soil samples were collected and analyzed for CAM 17 Metals.

The following soil analytical results, presented as Tables 3 and 4, were reported on September 20, 2002.

Table 3. Laboratory Results- Soil Samples (8015M & 8260B)

| Soil Sample ID | EPA Method 8015M (Gasoline) C4-C12 (mg/kg) | EPA Method 8015M (Diesel) C12-C23 (mg/kg) | EPA Method 8015M (Oil) C23-C40 (mg/kg) | EPA Method 8260B n-Butylbenzene (µg/kg) | EPA Method 8260B Napthalene (µg/kg) | EPA Method 8260B Sec-Butylbenzene (µg/kg) | All other 8260B VOCs (µg/kg) |
|----------------|--|---|--|---|-------------------------------------|---|------------------------------|
| AEI-RR-BD1-30' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BD1-35' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BD1-40' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BD2-30' | ND < 10 | ND < 10 | ND < 50 | 38.2 | 255 | 25.4 | ND |
| AEI-RR-BD2-35' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BD2-40' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BI3-5' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BI3-15' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BI3-30' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BI4-10' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BI4-25' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |
| AEI-RR-BI4-30' | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND |

Notes:

ND = Not detected above laboratory reporting limits (refer to laboratory report for detective limits)

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

AEI collected and analyzed a total of five shallow (5 to 15 feet bgs) soil samples, five intermediate-depth (20 to 30 feet bgs) soil samples, and two deep (35-40 feet bgs) soil

samples. As indicated in Table 3 above, all shallow soil samples (5 feet to 15 feet bgs) indicated non-detect levels of TPH (C4 - C40) and non-detect levels of all 8260B VOC's. Intermediate depth soil samples (20 feet to 30 feet bgs) all indicated non-detect levels of TPH (C4 - C40). One intermediate soil sample, AEI-RR-BD2-30', indicated relatively low levels of VOC's related to fuel components at a depth of thirty feet bgs. Deep soil samples (35 feet to 50 feet bgs) all indicated non-detect levels of TPH (C4 - C40) and VOCs. Table 4 below summarizes results from three shallow soil samples analyzed for CAM 17 Metals.

The following analytical results are reported in parts per million and were reported on September 20, 2002:

Table 4. Laboratory Results- Soil Samples (7000 Series for CAM 17 Metals)

| Element | EPA Method | Sample AEI-RR-BD1-10' | Sample AEI-RR-BI3-10' | Sample AEI-RR-BI4-15' | Reporting Limit (ppm) |
|---------|------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sb | 7040 | ND | ND | ND | 10 |
| As | 7060 | ND | ND | ND | 0.5 |
| Ba | 7080 | 235 | 286 | 341 | 10 |
| Be | 7090 | ND | ND | ND | 2.5 |
| Cd | 7130 | 4.8 | 13.6 | 17.0 | 2.5 |
| Cr | 7190 | 14.7 | 20.4 | 14.7 | 2.5 |
| Co | 7200 | 12.6 | 17.2 | 13.8 | 2.5 |
| Cu | 7210 | 19.8 | 26.0 | 33.2 | 2.5 |
| Pb | 7420 | 7.2 | 8.8 | 5.2 | 2.5 |
| Hg | 7471 | ND | ND | ND | 0.03 |
| Mo | 7480 | ND | ND | ND | 5 |
| Ni | 7520 | 26.6 | 30.4 | 33.6 | 2.5 |
| Se | 7740 | ND | ND | ND | 0.5 |
| Ag | 7760 | ND | ND | ND | 2.5 |
| Tl | 7840 | ND | ND | ND | 2.5 |
| V | 7910 | 28.5 | 31.9 | 32.6 | 10 |
| Zn | 7950 | 30.6 | 36.8 | 30.4 | 1.0 |

Three shallow soil samples were analyzed for toxic heavy metals via the EPA 7000 Series for CAM 17 Metals. As indicated in Table 4 above, these shallow soil analyses indicated detectable amounts of ten CAM 17 Metals. None of the levels reported are significantly above background levels for these metals.

Soil-Vapor Sample Results

A total of seven vapor samples from borings AEI-RR-SV1 through AEI-RR-SV7 were collected from nine and one-half feet bgs and analyzed via EPA Method 8260B for VOCs, via EPA Method 8015M for Total Petroleum Hydrocarbons in the gasoline range (TPH-g), and via GC/FID for methane. Table 5 below summarizes analytical results

from seven vapor samples collected from shallow borings (nine and one-half feet bgs) across the subject property.

The following soil-vapor results were reported on May 28, 2002:

Table 5. Laboratory Results- Vapor Samples

| Vapor Sample ID | EPA Method 8015M Gasoline (C4-C12) $\mu\text{L/L}$ | Methane By GC/FID $\mu\text{L/L}$ | EPA Method 8260B VOCs By GC/MS $\mu\text{g/L}$ |
|------------------------|--|---|--|
| AEI-RR-SV1 | ND < 13 | ND < 100 | ND |
| AEI-RR-SV2 | ND < 13 | ND < 100 | ND |
| AEI-RR-SV3 | ND < 13 | ND < 100 | ND |
| AEI-RR-SV4 | ND < 13 | ND < 100 | ND |
| AEI-RR-SV5 | ND < 13 | ND < 100 | ND |
| AEI-RR-SV6 | ND < 13 | ND < 100 | ND |
| AEI-RR-SV7 | ND < 13 | ND < 100 | ND |

Notes:

ND = Not detected above laboratory reporting limits (refer to laboratory report for detective limits)

$\mu\text{g/L}$ = micrograms per liter

$\mu\text{L/L}$ = microliters per liter

Seven vapor samples were collected from the Gardena Valley 1 & 2 Landfill perimeter and areas near suspected ASTs. As indicated in Table 5, all seven vapor samples indicated non-detect levels for gasoline-range hydrocarbons (TPH-g) from C4 – C12, non-detect levels for methane via GC/FID, and non-detect levels for all 8260B VOCs.

The reported methane data is consistent with comments from Ms. Lorna Ung with the Los Angeles County Department of Public Health (LACDPH). Ms. Ung was interviewed on-site and indicated that methane vapor monitoring conducted by the LACDPH on September 17, 2002 at methane vapor monitoring wells on the subject property indicated non-detect levels of methane.

Groundwater Sample Results

A total of three groundwater samples were collected during the investigation. One groundwater sample from boring AEI-RR-BD1 was collected via Hydropunch®, screened in the Upper Bellflower (Semi-perched) Aquifer from 41 feet to 45 feet bgs. Two groundwater samples were collected from existing monitoring wells WA and WC after purging four well volumes and allowing time for recharge. Groundwater samples were analyzed via EPA Method 8260B for VOC's and EPA Method 8015M for TPH from C4 - C23 (gasoline and diesel range). Table 6 below summarizes analytical results from the three groundwater samples collected during the investigation.

The following groundwater sample results were reported on September 20 and 24, 2002:

Table 6. Groundwater Data, September 20 and 24, 2002

| Sample Identification | EPA 8015M TPH-g C4-C12 (µg/L) | EPA 8015M TPH-d C12-C23 (µg/L) | EPA 8015M TPH-o C23-C40 (µg/L) | EPA 8260B cis-1,2,-Dichloroethene By GC/MS (ppb) | EPA 8260B 1,2,-Dichloroethane By GC/MS (ppb) | EPA 8260B t-Butyl Alcohol By GC/MS (ppb) | All Other EPA 8260B VOC's By GC/MS (ppb) |
|-----------------------|-------------------------------|--------------------------------|--------------------------------|--|--|--|--|
| AEI-RR-BD1-43' | ND < 50 | ND < 500 | ND < 2000 | 7.6 | 5.7 | 54.3 | All ND |
| AEI-RR-WA | ND < 50 | ND < 500 | NA | ND < 5 | ND < 5 | ND < 10 | All ND |
| AEI-RR-WC | ND < 50 | ND < 500 | NA | ND < 5 | ND < 5 | ND < 10 | All ND |

Notes:

µg/L = micrograms per liter

ND = None detected above method detection limit- See lab results for detection limits.

NA = Not Analyzed for this compound

Ppb – Parts per billion

As indicated in Table 6, Hydropunch® sample AEI-RR-BD1-43' indicated small amounts of cis-1,2,-Dichloroethene (7.6 ppb), small amounts of 1,2,-Dichloroethane (5.7 ppb), and small amounts of t-Butyl Alcohol (54.3 ppb). This sample was obtained during the investigation from the first encountered groundwater from a screened depth of 41 feet to 45 feet bgs. This depth is consistent with the known depth of the Upper Bellflower (Semi-perched) Aquifer. Detected levels of these VOCs are low and insignificant.

Monitoring well samples AEI-RR-WA and AEI-RR-WC, collected from existing on-site monitoring wells, both revealed non-detect levels of TPH (C4 – C40), and non-detect levels of 8260B VOCs. These wells are screened at intervals deeper than that of the Hydropunch® sample (AEI-RR-BD1-43') in which VOCs were detected. Screened intervals of wells WA and WC are reported as 55 feet to 70 feet bgs and 82.5 feet to 87.5 feet bgs, respectively. These screened depths are consistent with reported depths of the Upper/Middle Bellflower and the Lower Bellflower Aquifers, respectively (BAS, 1993).

VI Conclusion and Recommendations

AEI collected and analyzed a total of five shallow (5 to 15 feet bgs) soil samples, five intermediate-depth (20 to 30 feet bgs) soil samples, and two deep (35-40 feet bgs) soil samples. In addition, AEI collected and analyzed seven shallow vapor samples from areas adjacent to the Gardena Valley 1 & 2 Landfill perimeter, as well as near locations of former on-site AST's. Shallow soil samples were selected from locations across the subject property, and from near soil-vapor samples to confirm results from vapor analyses. AEI also collected and analyzed three groundwater samples via Hydropunch® (one sample) and via groundwater monitoring well sampling (two samples) from the central portion of the subject property.

Shallow Soil and Vapor Samples

None of the three shallow soil (5 feet to 15 feet) samples analyzed from near suspected ASTs indicated detectable levels of TPH (C4 – C40) or VOCs. Nor did any shallow soil sample indicate abnormally elevated levels of CAM 17 Metals. None of seven shallow vapor samples, taken from nine and one-half feet bgs from near the Gardena Valley 1 & 2 Landfill perimeter and from near suspected ASTs, indicated detectable levels of TPH-g, VOCs, or methane. In other words, all shallow soil and vapor samples indicated non-detect levels for all analyzed compounds, and indicated either non-detect or amounts consistent with background levels of CAM 17 Metals. Shallow soils from borings across the subject property appear to be free of detectable amounts of analyzed contaminants.

Intermediate Soil Samples

One intermediate soil sample (twenty feet to thirty feet bgs), taken from the southeast corner of the subject property, revealed detectable amounts of three fuel-related VOCs. Four other intermediate-depth soil samples (twenty feet to thirty feet bgs), taken from near suspected ASTs, indicated non-detect levels of TPH (C4 – C40) and all 8260 VOCs. Intermediate soils near the former ASTs appear to be free of anticipated contaminants, except in the southeast corner of the subject property where low levels of fuel-related VOCs were detected at thirty feet bgs. AEI believes that these low levels of detected VOCs in intermediate soils are likely from an off-site release.

Deep Soil Samples

Three deep soil samples (thirty-five feet to forty feet bgs) collected from near suspected ASTs all indicated non-detect levels of TPH (C4 – C40), and all 8260 VOCs. Deep soil samples from borings near suspected ASTs appear to be free of detectable amounts of analyzed contaminants.

Groundwater Samples

AEI also collected three groundwater samples from the central portion of the subject property. One Hydropunch® sample (AEI-RR-BD1-43') indicated minor detectable

amounts of VOCs. The two groundwater monitoring well samples were not found to contain any detectable concentrations of Total Petroleum Hydrocarbons (C4 – C23) or VOCs. The magnitude of VOC contamination found in the Hydropunch® sample (AEI-RR-BD1-43') is minor. Furthermore, in absence of a known on-site source, these minor levels of VOCs in the groundwater are likely attributable to the Golden Eagle Refinery, formerly located adjacent to the south, or to the Gardena Valley 1 & 2 Landfill adjacent to the north.

In conclusion, this investigation has yielded no evidence of an on-site release of hydrocarbons or VOCs. Furthermore, this investigation has not found any soil or vapor contamination that could potentially be a health risk to users of the subject property.

VII References

- Bryan A. Stirrat & Associates, 1993, Well Report- Gardena Valley 1&2 Landfill Site, April 13.
- Bryan A. Stirrat & Associates, 1999, Final Design Report for the Gardena Valley 1&2 Landfill Carson, California, June.
- Dibblee, Thomas W., Jr., 1999, Geologic Map of the Palos Verdes Peninsula and Vicinity, Map #DF-70, May.
- Los Angeles County Department of Public Works Hydraulic/Water Conservation Division, 1996, Hydrologic Report 1994-1996, December.
- U.S. Geological Survey, 1964, 7.5 Minute Series Topographic Map, Torrance Quadrangle, California, Photorevised, 1981.

VIII Report Limitation

This report presents a summary of work completed by AEI Consultants (AEI). The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The location and depth of samples to be analyzed were chosen under the direction of Mr. Derrick S. Willis of Levine-Fricke to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices in the environmental engineering field that existed at the time and location of the work.

AEI was hired by Richard Rand. Neither this report, nor any of the information contained herein shall be used or relied upon by any other person or entity other than Richard Rand.

If you have any questions regarding our investigation, please do not hesitate to contact the undersigned at (310) 798-4255.

Sincerely,

John G. Siskowic
Project Geologist

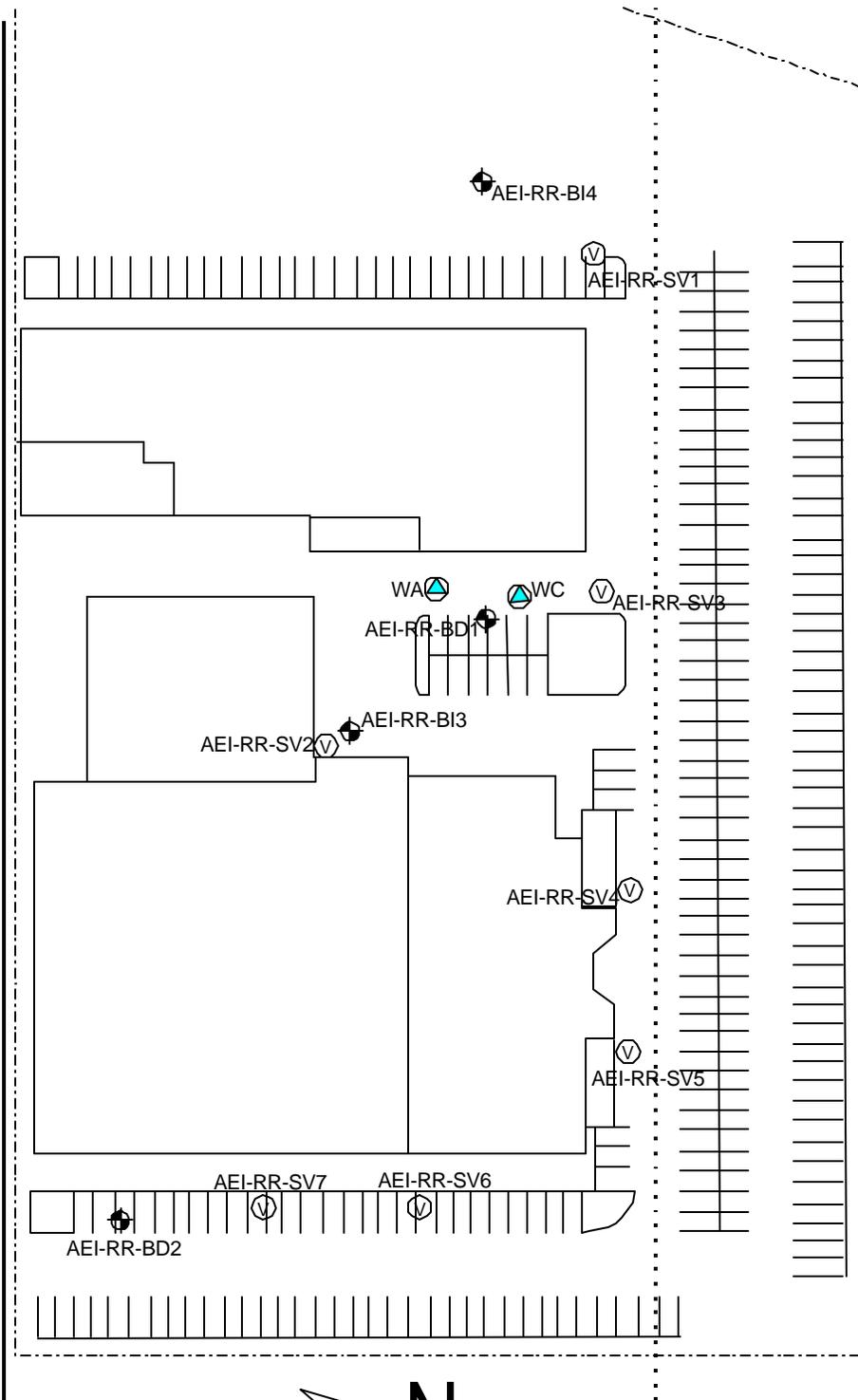
Joseph P. Derhake, P.E., C.A.C.
Principal

Attachments:

- Figures
- Laboratory Results
- Boring Logs
- Groundwater Monitoring Well Field Sampling Forms
- Health and Safety Plan

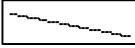
West Torrance Blvd

Gardena Valley 1 & 2 Landfill



Note: Water Data Indicated in Blue

LEGEND

-  Subject Site Property Line
-  Subject Site Improvements
-  Adjacent Site Improvements
-  Street
-  AEI-RR-BD1 Soil Boring Location and Number
-  AEI-RR-SV1 Vapor Boring Location and Number
-  WA Existing Well Location and Identification
-  Gardena Valley 1 & 2 Landfill Perimeter

AEI CONSULTANTS

2309 Pacific Coast Highway, Suite 206, Hermosa Beach, CA

September, 2002 Scale 1:2100 Drawn by JGS FIGURE 2

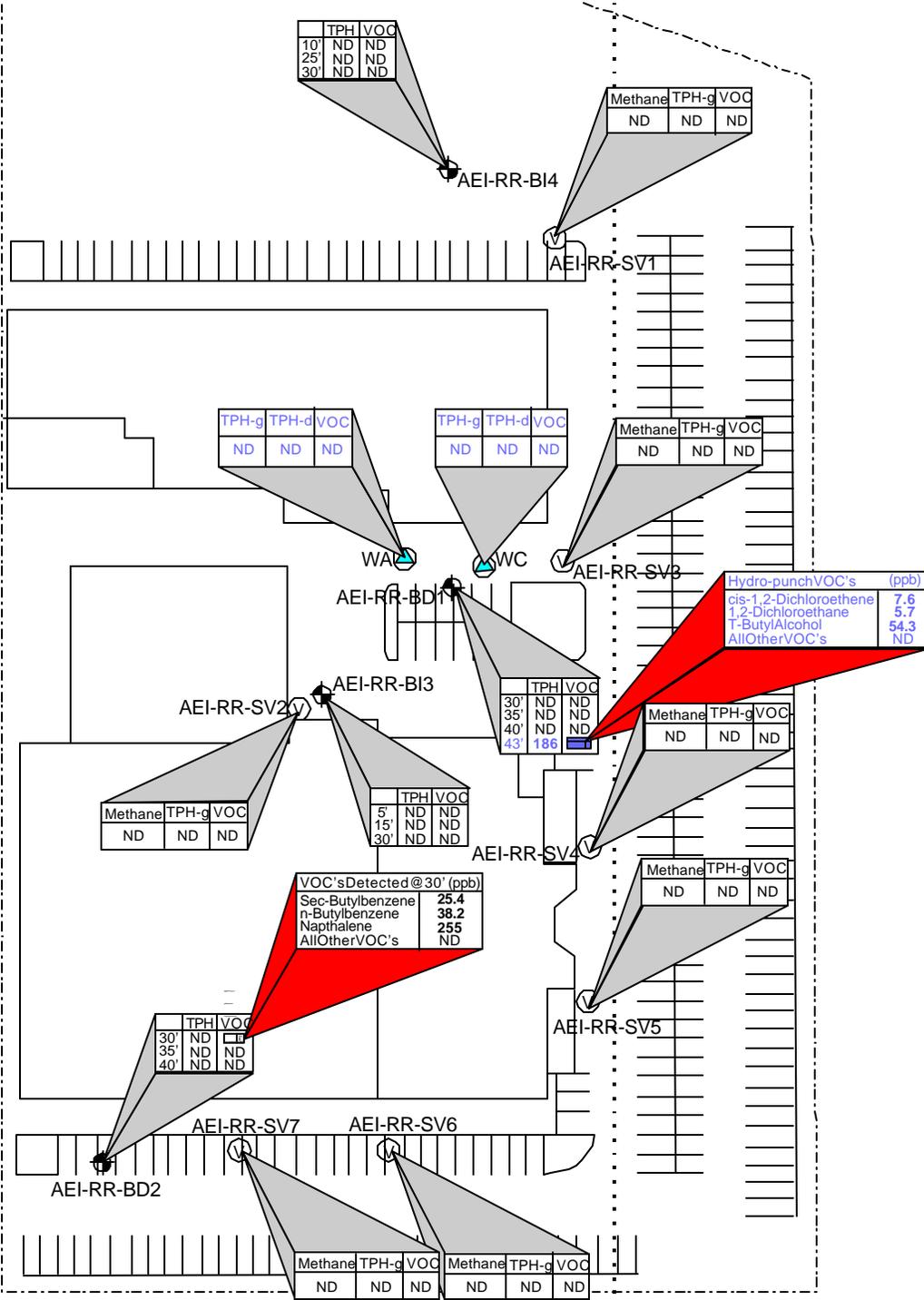
Site Map

405-425 West Torrance Boulevard
Carson, California

Job #22345

West Torrance Blvd

Gardena Valley 1 & 2 Landfill



Note: Water Data Indicated in Blue

LEGEND

- Subject Site Property Line
- Subject Site Improvements
- Adjacent Site Improvements
- Street
- AEI-RR-BD1 Soil Boring Location and Number
- AEI-RR-SV1 Vapor Boring Location and Number
- WA Existing Well Location and Identification
- Gardena Valley 1 & 2 Landfill Perimeter

AEI CONSULTANTS

2309 Pacific Coast Highway, Suite 206, Hermosa Beach, CA

September, 2002 Scale 1:2100 Drawn by JGS FIGURE 3

Site Map and Data

405-425 West Torrance Boulevard
Carson, California

Job#22345

| AEI CONSULTANTS - GROUNDWATER MONITORING WELL FIELD SAMPLING FORM | | | | | | | |
|--|-----------------|--------|------|--------------------------------|-------------------------|------|---------------|
| Monitoring Well Number: Well A | | | | | | | |
| Project Name: Rand | | | | Date of Sampling: 9/18/02 | | | |
| AEI Project Number: 22345 | | | | Name of Sampler: John Siskowic | | | |
| Project Address: 405-425 W. Torrance Blvd | | | | City: Torrance | | | |
| MONITORING WELL DATA | | | | | | | |
| Well Casing Diameter (2"/4"/6") | | | | 4" | | | |
| Seal at Grade -- Type and Condition | | | | Good | | | |
| Well Cap & Lock -- OK/Replace | | | | OK | | | |
| Elevation of Top of Casing | | | | | | | |
| Depth of Well | | | | 71.00' | | | |
| Depth to Water | | | | 45.87' | | | |
| Water Elevation | | | | | | | |
| Three Well Volumes (gallons)* | | | | | | | |
| 2" casing: (TD - DTW)(0.16)(3) | | | | | | | |
| 4" casing: (TD - DTW)(0.65)(3) | | | | 51 Gallons (3); 70 Gallons (4) | | | |
| 6" casing: (TD - DTW)(1.44)(3) | | | | | | | |
| Actual Volume Purged (gallons) | | | | 70 Gallons | | | |
| Appearance of Purge Water | | | | Relatively clear | | | |
| GROUNDWATER SAMPLES | | | | | | | |
| Number of Samples/Container Size | | | | 3 x 40 ml VOAs | | | |
| Time | Vol Remvd (gal) | Temp C | pH | Cond (mS) | Dissolved Oxygen (mg/L) | Sal | Turbidity (%) |
| 7:46 | 3 | 21.6 | 7.92 | 1.80 | 2.90 | 0.08 | 116 |
| 7:54 | 10 | 21.5 | 7.06 | 1.76 | 2.24 | 0.08 | 67 |
| 8:10 | 20 | 21.4 | 7.03 | 1.56 | 2.15 | 0.07 | 87 |
| 8:28 | 30 | 21.5 | 6.95 | 1.43 | 2.13 | 0.06 | 89 |
| 8:43 | 40 | 21.4 | 7.15 | 1.40 | 2.12 | 0.06 | 83 |
| 9:02 | 50 | 21.5 | 7.22 | 1.37 | 2.13 | 0.06 | 76 |
| COMMENTS (i.e., sample odor, well recharge time & percent, etc.) | | | | | | | |
| Relatively clear. No sheen or odor; minor organic yellowish (algae) floating. Peaked at ~30 gallons, backing off slowly. | | | | | | | |

TD - Total Depth of Well

DTW - Depth To Water

Cond = Conductivity

Sal = Salinity

| AEI CONSULTANTS - GROUNDWATER MONITORING WELL FIELD SAMPLING FORM | | | | | | | |
|--|-----------------|--------|------|--------------------------------|-------------------------|------|---------------|
| Monitoring Well Number: Well A | | | | | | | |
| Project Name: Rand | | | | Date of Sampling: 9/18/02 | | | |
| AEI Project Number: 22345 | | | | Name of Sampler: John Siskowic | | | |
| Project Address:405-425 W. Torrance Blvd | | | | City: Torrance | | | |
| MONITORING WELL DATA | | | | | | | |
| Well Casing Diameter (2"/4"/6") | | | | 4" | | | |
| Seal at Grade -- Type and Condition | | | | Good | | | |
| Well Cap & Lock -- OK/Replace | | | | OK | | | |
| Elevation of Top of Casing | | | | | | | |
| Depth of Well | | | | 71.00' | | | |
| Depth to Water | | | | 45.87' | | | |
| Water Elevation | | | | | | | |
| Three Well Volumes (gallons)* | | | | | | | |
| 2" casing: (TD - DTW)(0.16)(3) | | | | | | | |
| 4" casing: (TD - DTW)(0.65)(3) | | | | 51 Gallons (3); 70 Gallons (4) | | | |
| 6" casing: (TD - DTW)(1.44)(3) | | | | | | | |
| Actual Volume Purged (gallons) | | | | 70 Gallons | | | |
| Appearance of Purge Water | | | | Relatively clear | | | |
| GROUNDWATER SAMPLES | | | | | | | |
| Number of Samples/Container Size | | | | 3 x 40 ml VOAs | | | |
| Time | Vol Remvd (gal) | Temp C | pH | Cond (mS) | Dissolved Oxygen (mg/L) | Sal | Turbidity (%) |
| 9:22 | 60 | 21.6 | 7.23 | 1.36 | 2.28 | 0.06 | 79 |
| 9:41 | 70 | 21.6 | 7.24 | 1.37 | 2.25 | 0.06 | 80 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| COMMENTS (i.e., sample odor, well recharge time & percent, etc.) | | | | | | | |
| 49.90' at 70 gallons at 9:39 am; 47.90' at 9:44; 46.09' at 10:10 Four well volumes purged | | | | | | | |

TD - Total Depth of Well
DTW - Depth To Water
Cond = Conductivity
Sal = Salinity

| AEI CONSULTANTS - GROUNDWATER MONITORING WELL FIELD SAMPLING FORM | | | | | | | |
|--|-----------------|--------|------|---------------------------------|-------------------------|------|---------------|
| Monitoring Well Number: Well C | | | | | | | |
| Project Name: Rand | | | | Date of Sampling: 9/18/02 | | | |
| AEI Project Number: 22345 | | | | Name of Sampler: John Siskowic | | | |
| Project Address:405-425 W. Torrance Blvd | | | | City: Torrance | | | |
| MONITORING WELL DATA | | | | | | | |
| Well Casing Diameter (2"/4"/6") | | | | 4" | | | |
| Seal at Grade -- Type and Condition | | | | Good | | | |
| Well Cap & Lock -- OK/Replace | | | | OK | | | |
| Elevation of Top of Casing | | | | | | | |
| Depth of Well | | | | 86.84' | | | |
| Depth to Water | | | | 46.47' | | | |
| Water Elevation | | | | | | | |
| Three Well Volumes (gallons)* | | | | | | | |
| 2" casing: (TD - DTW)(0.16)(3) | | | | | | | |
| 4" casing: (TD - DTW)(0.65)(3) | | | | 77 Gallons (3); 105 Gallons (4) | | | |
| 6" casing: (TD - DTW)(1.44)(3) | | | | | | | |
| Actual Volume Purged (gallons) | | | | 105 Gallons | | | |
| Appearance of Purge Water | | | | Brown with sand | | | |
| GROUNDWATER SAMPLES | | | | | | | |
| Number of Samples/Container Size | | | | 3 x 40 ml VOAs | | | |
| Time | Vol Remvd (gal) | Temp C | pH | Cond (mS) | Dissolved Oxygen (mg/L) | Sal | Turbidity (%) |
| 10:17 | 3 | 22.3 | 8.34 | 0.607 | 2.50 | 0.02 | 154 |
| 10:42 | 10 | 22.3 | 7.56 | 0.93 | 3.77 | 0.04 | 109 |
| 10:57 | 20 | 22.2 | 7.21 | 1.25 | 3.48 | 0.05 | 210 |
| 11:08 | 30 | 22.3 | 7.18 | 1.71 | 3.62 | 0.08 | 137 |
| 11:23 | 40 | 22.0 | 7.02 | 2.04 | 3.01 | 0.09 | 134 |
| 11:35 | 50 | 22.1 | 7.05 | 2.08 | 3.10 | 0.10 | 144 |
| COMMENTS (i.e., sample odor, well recharge time & percent, etc.) | | | | | | | |
| Brown (initially); sand or lime deposits; no odor, no sheen; Paul arrives at 10:30 | | | | | | | |

TD - Total Depth of Well

DTW - Depth To Water

Cond = Conductivity

Sal = Salinity

| AEI CONSULTANTS - GROUNDWATER MONITORING WELL FIELD SAMPLING FORM | | | | | | | |
|--|-----------------|--------|------|---|-------------------------|------|---------------|
| Monitoring Well Number: Well C | | | | | | | |
| Project Name: Rand | | | | Date of Sampling: 9/18/02 | | | |
| AEI Project Number: 22345 | | | | Name of Sampler: John Siskowic | | | |
| Project Address: 405-425 W. Torrance Blvd | | | | City: Torrance | | | |
| MONITORING WELL DATA | | | | | | | |
| Well Casing Diameter (2"/4"/6") | | | | 4" | | | |
| Seal at Grade -- Type and Condition | | | | Good | | | |
| Well Cap & Lock -- OK/Replace | | | | OK | | | |
| Elevation of Top of Casing | | | | | | | |
| Depth of Well | | | | 86.84' | | | |
| Depth to Water | | | | 46.47' | | | |
| Water Elevation | | | | | | | |
| Three Well Volumes (gallons)* | | | | | | | |
| 2" casing: (TD - DTW)(0.16)(3) | | | | | | | |
| 4" casing: (TD - DTW)(0.65)(3) | | | | 77 Gallons (3); 105 Gallons (4) | | | |
| 6" casing: (TD - DTW)(1.44)(3) | | | | | | | |
| Actual Volume Purged (gallons) | | | | 105 Gallons | | | |
| Appearance of Purge Water | | | | Relatively clear; slightly brown, turbidity | | | |
| GROUNDWATER SAMPLES | | | | | | | |
| Number of Samples/Container Size | | | | 3 x 40 ml VOAs | | | |
| Time | Vol Remvd (gal) | Temp C | pH | Cond (mS) | Dissolved Oxygen (mg/L) | Sal | Turbidity (%) |
| 11:52 | 60 | 22.1 | 7.01 | 2.11 | 3.40 | 0.10 | 104 |
| 12:09 | 70 | 22.3 | 7.02 | 2.10 | 3.22 | 0.10 | 110 |
| 12:27 | 80 | 22.1 | 7.05 | 2.11 | 3.16 | 0.10 | 153 |
| 12:40 | 90 | 22.1 | 7.07 | 2.11 | 3.36 | 0.10 | 135 |
| 1:07 | 100 | 22.0 | 7.00 | 2.10 | 3.31 | 0.10 | 194 |
| 1:14 | 105 | 22.3 | 7.02 | 2.10 | 3.17 | 0.10 | 240 |
| COMMENTS (i.e., sample odor, well recharge time & percent, etc.) | | | | | | | |
| Intermittent hydrocarbon odors when pouring. None on Stillwater. No sheen 47.35 at 1:19 46.84 at 1:30 | | | | | | | |

TD - Total Depth of Well

DTW - Depth To Water

Cond = Conductivity

Sal = Salinity

HEALTH AND SAFETY PLAN

Prepared for:

Subsurface Investigation
at
405 West Torrance Blvd.
Carson, California

A. INTRODUCTION

This Health and Safety Plan is written for the Subsurface Investigation being conducted at 405 West Torrance Blvd. in the City of Carson, California. All job site personnel will follow OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by AEI or their respective companies.

B. WORK DESCRIPTION

Site Manager: John Siskowic

Project Safety Manager: John Siskowic
310-798-4255

Address: 405 West Torrance Blvd.
Carson, California

The purpose of this investigation is to confirm the absence or presence of petroleum hydrocarbons, methane and volatile organic compounds (VOCs) in the subsurface. AEI will advance eleven soil borings to 5 to 50 feet below ground surface. AEI's sampling procedures conform to the requirements of the State Regional Water Quality Control Board and the US EPA. All of the samples collected will be analyzed by a state certified laboratory and the entire project will be performed under the responsible charge of a registered professional civil engineer.

C. SITE/WASTE CHARACTERISTICS

Hazard Level: Serious: Low:
Moderate: XXX Unknown:

Waste Type: Solid: XXX
Sludge:
Liquid: XXX
Gas: XXX

Hazard Characteristics: Toxic

D. HAZARD EVALUATION

Potential hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hazardous chemicals. The potential toxic compounds that may exist at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found at sites previously handling petroleum hydrocarbons.

1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact**.
- c. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression. Benzene is carcinogenic.*
- d. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. Toluene

- a. Colorless liquid with a sweet, pungent, benzene like odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact**.
- c. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- d. Permissible exposure level for a time-weighted average over an eight-hour period is 100 ppm.

3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion** and **skin and/or eye contact**.
- c. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- d. Permissible exposure level for a time-weighted average over an eight-hour period is 100 ppm.

4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Toxic hazard by **inhalation, ingestion**, and **skin and/or eye contact**. Ethylbenzene is carcinogenic.*
- c. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- d. Permissible exposure level for a time-weighted average over an eight-hour period is 100 ppm.

5. Lead

- a. A heavy ductile soft gray metal.
- b. Toxic hazard by **inhalation, ingestion**, and **skin and/or eye contact**.
- c. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.*
- d. Permissible exposure level for a time-weighted average over an eight-hour period is .05 ppb (in vapor).

6. Diesel

- a. Colorless to dark brown, combustible liquid with an aromatic odor
- b. Toxic hazard by **inhalation, ingestion, skin and/or eye contact**.
- c. Inhalation of vapors may depress the central nervous system, increasing reaction times, and decreasing pulse rate and blood pressure. Skin irritant.
- d. Occupational exposure limit 5.0 ppm (in vapor).

7. Gasoline

- a. Colorless liquid with a strong aromatic odor. Highly volatile and extremely flammable.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact**.
- c. Inhalation of vapors can cause depression of the central nervous system with symptoms such as headache, dizziness, nausea and loss of coordination. Skin contact can cause defatting of the skin, skin irritation and dermatitis. Benzene is a major constituent of gasoline.
- d. Permissible exposure level for a time-weighted average over an eight-hour period is 300 ppm.

8. Tetrachloroethylene

- a. Colorless liquid with a mild, chloroform-like odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact**.
- c. Exposure may irritate eyes, nose, throat; create nausea, dizziness, flush face and neck; ingestion may cause liver damage; carcinogenic*
- d. Permissible exposure level (PEL) for a time-weighted average (TWA) over an eight-hour period is 25.0 ppm.

9. Trichloroethylene

- a. Colorless liquid with a sweet, chloroform-like odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact**.
- c. Exposure may irritate nose and eyes and may cause depression of the Central Nervous System; carcinogenic*.
- d. Permissible exposure level (PEL) for a time-weighted average (TWA) over an eight-hour period is 10.0 ppm.

All of the chemical hazards discussed above are primarily inhalation hazards. Work exposure will be monitored by the air monitoring program discussed in Section F.

*** Known to the State of California to cause cancer.**

E. PERSONAL PROTECTIVE CLOTHING

Based on evaluation of potential hazards, level "D" protective clothing has been designated as the appropriate protection for this project. The level of protective clothing will be upgraded if the organic vapor levels in the operator's breathing zone exceed 5 ppm above background levels continuously for more than five minutes, or if any single reading exceeds 25 ppm. If this occurs then level C protection will be used. If the organic concentration in the operator's breathing zone

exceeds 200 ppm for 5 minutes and/or the organic vapor concentration two feet above the excavation exceeds 1,000 ppm or 10% of the lower explosive limit, then the equipment will be shut down and the site evacuated. If organic vapor concentrations exceed 200 ppm and work continues then level B protection will be required.

"EPA Standard Operating Safety Guidelines" defines the levels of protective clothing as follows:

LEVEL A:

Fully encapsulating suit / SCBA / Hard hat / Steel toe boots / Safety gloves.

LEVEL B:

Splash resistant suit / SCBA / Hard Hat / Steel toe boots / Safety gloves.

LEVEL C:

Half face respirator / Hard hat / Safety glasses / Steel toe boots / Coveralls / Gloves.

LEVEL D:

Coveralls / Hardhat / Safety Glasses / Steel toe boots / Gloves.

If air purifying respirators are authorized, organic vapor w-filter is the appropriate canister for use with the involved substances and concentrations. A competent individual has determined that all criteria for using this type of respiratory protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE COMPANY SAFETY OFFICER, J.P. DERHAKE.

A FIRST AID KIT AND A 40 POUND BC FIRE EXTINGUISHER WILL BE AVAILABLE ON SITE.

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE SITE MANAGER'S VEHICLE. THIS VEHICLE WILL BE ON SITE AT ALL TIMES.

F. MONITORING INSTRUMENTS

A Photo-Ionization Detector will be used to monitor ambient air contaminant concentration. The Photo-Ionization Detector will be calibrated prior to the start of on-site activities by trained personnel. Readings will be taken at the discretion of the Site Manager based on on-site observations.

G. WORKER SAFETY

There will be a three-foot boundary surrounding the work area. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Site Manager. Matthew Eyer has been designated to coordinate access

control and security on site. Joseph Derhake is the designated Project Safety Officer. All work will strictly follow OSHA guidelines. In the event of an emergency, the Site Manager must be notified. All emergency activities will be coordinated through the Project Safety Manager and local emergency personnel. Any injury must be promptly reported to arrange proper medical care.

H. EMERGENCY INSTRUCTIONS

In the event of an emergency, all on-site activities shall cease. If practical, all on-site equipment shall be shut down. All personnel are required to immediately report to the site manager for instructions. If complete site evacuation is necessary, all personnel shall meet at the reconnoiter spot, identified as the **K-MART SHOPPING CENTER ACROSS TORRANCE BLVD. TO THE SOUTH**. If necessary, local authorities and medical response agencies shall be notified. Work will commence again at the discretion of the Project Safety Manager and/or local authorities.

I. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

Harbor Ucla Medical Ctr (310) 222-2345
1000 W Carson St
Torrance, CA
90502-2059 US

Emergency 911

| DIRECTIONS | DISTANCE |
|---|---|
| 1: Start out going West on W TORRANCE BLVD towards FIGUEROA ST by turning right. | 0.12 miles |
| 2: Turn LEFT onto FIGUEROA ST. | 0.73 miles |
| 3: Turn RIGHT onto W CARSON ST. | 0.38 miles |
| Total Estimated Time: 5 minutes | Total Distance: 1.23 miles |

**REPORT ON
GEOTECHNICAL FEASIBILITY EVALUATION
GARDENA VALLEY 1 AND 2 LANDFILL PROPERTY
CITY OF CARSON, CALIFORNIA**

by

**Haley & Aldrich, Inc.
San Diego, California**

for

**Trammell Crow So. Cal. Development, Inc.
Irvine, California**

**File No. 32143-001
05 August 2005**



05 August 2005
File No. 32143-001

Trammell Crow Company
c/o Environmental Asset Services, Inc.
3 Park Plaza, Suite 1600
Irvine, California 92614

Attention: Mr. David Drake

Subject: Geotechnical Feasibility Evaluation
Gardena Valley 1 and 2 Landfill Property
City of Carson, California

Dear Mr. Drake:

OFFICES

Boston
Massachusetts

Cleveland
Ohio

Dayton
Ohio

Detroit
Michigan

Hartford
Connecticut

Kansas City
Kansas

Los Angeles
California

Manchester
New Hampshire

Parsippany
New Jersey

Portland
Maine

Providence
Rhode Island

Rochester
New York

Santa Barbara
California

Tucson
Arizona

Washington
District of Columbia

Haley & Aldrich, Inc. is pleased to submit this geotechnical feasibility evaluation report in connection with the subject property. Trammell Crow So. Cal. Development, Inc. (TCSCDI) is in a 90-day due diligence phase to evaluate purchasing a portion of the property historically known as the Gardena Valley 1 and 2 Landfill, located in the City of Carson, California. This geotechnical study was performed concurrently with our All Appropriate Inquiry (AAI), Environmental Site Assessment (ESA), which is being submitted under separate cover. Thank you for inviting us to serve the Trammell Crow team in this matter.

Based on our review of existing information, site conditions, test pit explorations, and our experience with redevelopment of other landfill sites, we conclude that redevelopment of the subject site is technically feasible, from a geotechnical engineering and site design perspective. Actual feasibility depends on economic issues, development goals, performance criteria and other factors. The results of our Geotechnical Feasibility Evaluation of development on this property are presented in more detail below.

PURPOSE AND SCOPE

Haley & Aldrich conducted this feasibility study to provide preliminary information on geotechnical-related issues to TCSCDI for their use in evaluating the feasibility of developing the property for commercial or retail use. The study scope included researching available geotechnical information, conducting a limited subsurface investigation to view the nature of the waste materials in the landfill, making preliminary evaluations of geotechnical aspects of site building design and construction including estimating order of magnitude geotechnical-related costs, and preparing this report.

BACKGROUND

The site, currently owned by Carson Valley, LLC, is an approximately 14-acre parcel located approximately 350 ft north of W. Torrance Boulevard between Figueroa and Main Streets in City of Carson, California. Located as shown on Figure 1, the relatively flat site is bordered to the north by a concrete-lined storm water channel, to the west by Figueroa Street and Interstate

110, to the east by Main Street and a mobile home park, and to the south by a parking lot for a small business park and a church facility. A review of the topographic map for the site, (Torrance Quadrangle, 1964, photo-revised 1981) indicates the site is relatively flat and is estimated to be at elevations of approximately 20 to 30 feet above mean sea level (MSL). Site grades slope downward approximately 5 ft towards Main Street to the east, and approximately 6 to 8 ft toward the property line to the north.

The site was reportedly excavated to a maximum depth of approximately 37 ft in the mid-1950s to obtain soil borrow for construction of the Interstate-110 freeway. The resultant excavation was subsequently used as a Class II municipal landfill from 1956 to 1959 (Gardena Valley 1 and 2 Landfill), filled to near its pre-excavation grades. Due to the nature and era of its creation, an engineered liner was not employed for the construction of the landfill, nor was an engineered cover constructed when the landfill ceased operations in 1959. In addition, landfill monitoring systems including gas collection/migration systems were not installed.

The site is listed on the State of California Solid Waste Disposal Site and a waste management unit (WMUDS/SWAT) as closed. An approved soil operable unit remedial action plan for the closure of Gardena Landfills 1 & 2 has been received from the California Environmental Protection Agency (CalEPA) Department of Toxic Substances Control (DTSC). The historical landfill boundaries extend beyond the subject site onto the adjacent properties to the south. The location of the Site is depicted on Figures 1 & 2, Site Locus and Assessor's Parcel Map, respectively.

PREVIOUS INVESTIGATIONS

Previous investigations have been conducted at the site by others for geotechnical and environmental purposes. Detailed information regarding these previous investigations is provided in the referenced ESA. In general, these investigations included the following:

- Advancement of soil vapor probes, soil test borings, and the installation of groundwater monitoring wells
- Analyses of selected soil samples for environmental and geotechnical purposes

The investigations identified the following conditions at the landfill:

- The soil cover was reported as 6 to 7 feet in thickness, which were underlain by waste debris down to approximately 34 to 35 ft bgs (estimated trash thickness 29 feet).
- Leachate was not encountered within the landfill.
- Perched groundwater was encountered at a depth of approximately 40 ft bgs and formational groundwater in the vicinity of the site was present at depths of 75 ft bgs or deeper.

INVESTIGATIONS FOR THIS STUDY

A site reconnaissance and limited program of subsurface explorations were performed for this study, as described below. A more detailed description of the site reconnaissance is provided in the referenced ESA.

Site Reconnaissance

A site reconnaissance was conducted by Haley & Aldrich on 8 June 2005 to observe visible conditions that might impact the geotechnical and landfill closure aspects of site development. Key observations made during the site reconnaissance are as follows:

- The property is vegetated with grasses. The landfill surface is somewhat erratic, likely due to removal of surface debris during raking activities reportedly conducted in 2004. Based on surface topography, surface runoff at the site appears to generally remain onsite and visible signs of erosion were not observed. The northern property boundary abuts a concrete storm channel, which is approximately 8 feet lower in elevation than the Site.
- Although the site is relatively flat, there is little evidence of differential settlement on the property itself; however this may be a result of the recent raking of near-surface debris that was reportedly conducted in 2004.
- Significant settlement of pavement was observed on the adjacent properties immediately to the south of the site, indicating visual evidence of the reported presence of solid waste on the adjacent properties to the south. In two parking areas beyond the property line along this southern edge of the site differential settlement of approximately 1 to 3 feet was observed. At the limits of the settlement, severe distress and cracking of the pavement is visible.

Subsurface Explorations

A limited subsurface exploration program consisting of 17 test pits was performed at the site to obtain information on the nature of surficial soils and waste materials within the upper 20 ft of the landfill. Prior to conducting the explorations, a Letter Plan, dated 19 May 2005, was prepared and submitted to the Department of Toxics Substances Control (DTSC). The Letter Plan was revised into a work plan, dated 31 May 2005, which was submitted to and approved by the DTSC prior to initiating the field activities. Underground Service Alert was contacted prior to the field explorations and no conflicts were identified. A site-specific Health & Safety Plan was prepared and utilized during the field activities. The locations of the test pits are depicted on Figure 3. A summary of the test pit findings is presented in Table I.

The test pits were excavated by trackhoe excavator on 10 and 13 June 2005, to depths of approximately 20 to 21 ft. bgs, 3 to 4 ft in width and 10 ft in length. A Haley & Aldrich Geologist observed the test pits and documented the exposed conditions including the types of trash and landfill debris encountered, as well as the condition of the exposed material including water content, debris size, and degree of decomposition. Logs of test pits are provided in Appendix A. Vapor monitoring was conducted using a handheld multi-gas meter and photo-ionization detector (PID).

Field vapor monitoring did not detect concentrations of methane, carbon dioxide or hydrogen sulfide. The excavations were backfilled in tamped lifts using the excavated waste material,

followed by the placement of the previously segregated upper cover soil back over the waste material.

SUBSURFACE CONDITIONS

The materials encountered in the test pits consisted primarily of fill soil and landfill waste. The waste consisted of wood construction debris, concrete rubble, paper and cardboard, metal cans and scraps, vegetation, rubber tires, household trash and decomposed waste having the consistency of organic topsoil. Subsurface conditions encountered in the explorations are summarized in the following table.

Summary of Materials Encountered In Test Pits

| Name | Description (USCS Soil Classification) | Depth Range (ft) | Typical Thickness (ft) | Moisture | |
|-----------------------------|---|------------------|------------------------|---------------------------------|------------------------------------|
| Surface Soil (A Horizon) | Dark brown, clayey fine sand (SP/SC) | 0 to 6 | 2.5 to 6 | Damp to moist | |
| Subsurface Soil (B Horizon) | Dark gray, clayey sand with fines (CL/SM) | 2.5 to 6 | 1 to 9 | Damp to very moist | |
| | | | | | Estimated % of Waste Debris |
| <u>Waste Debris</u> | | 5 to 13 | 8 to 15 (observed) | Moist to wet, but not saturated | |
| Wood | Construction debris | - | - | - | 30 to 50 |
| Paper | Newspapers, phone books, etc. | - | - | - | 10 to 40 |
| Soil | Daily cover and mixture | - | - | - | 15 to 30 |
| Other | Cans, bottles concrete, tires, metal scraps, etc. | - | - | - | 10 to 45 |

NOTES:

1. The waste encountered was typically slightly decomposed to moderately decomposed.
2. Occasional small voids were encountered within the debris.
3. Waste thickness indicated above was within the depth of exploration. All test pits terminated within the landfill waste. Historical test borings indicate waste debris exists down to approximately 34 to 35 feet bgs.
4. The configuration of the waste profile was observed to be consistent around the site perimeter, including areas in close proximity to roadways. Test pits did not encounter areas where solid waste was detectably thinner nor were sloped interfaces encountered

between the bottom of waste and naturally deposited soils in pits near Figueroa and Main Streets. The lateral limits of the waste debris were not determined during this investigation.

5. Liquids or perched water was not encountered, with the exception of test pit T-1 in which a dark grey liquid seeped into the side of the excavation at approximately 20 ft depth.

Figures depicting the conditions encountered are presented below:



Figure 1. Typical Trench profile (soil cap material overlying waste debris)



Figure 2. Typical soil cap material (left) and waste debris (right)

Previous subsurface activities conducted by others indicate the site is underlain by the Lakewood Formation which extends to greater than approximately 180 feet bgs. Beneath the site previous borings indicate alternating layers of silt, clay, clayey sand and sand to approximately 90 feet bgs, which is underlain by approximately 50 feet of relatively clean, poorly graded fine sand to approximately 140 feet bgs. This fine sand has been identified as the Gage Aquifer. The conditions encountered during previous investigation activities reportedly

correlates well with the predicted Lakewood Formation. The soils underlying the solid waste have been classified as Alluvium, consisting of clayey silt and silt, with varying amounts of fine sand. Soil classification data for three soil samples underlying the waste on site indicate that the soil is classified as clay of low plasticity (CL), with a Liquid Limit between 34 and 42, and Plasticity Index between 15 and 20.

APPLICABLE SOLID WASTE REGULATORY STATUS

A thorough discussion of the property regulatory background and status is provided in the referenced ESA. Selected information relevant to the geotechnical study is summarized briefly below:

- The Gardena Valley 1 and 2 Landfill was authorized to operate as a Class II Landfill under an Industrial Waste Disposal Permit issued by the County of Los Angeles.
- On April 18, 1989 London Pacific Investment (LPI) entered into a Consent Agreement with the DTSC. The Objective of the Consent Agreement was to investigate and mitigate releases of contaminants from the landfill and ensure that future development is achieved in a manner that ensures public health and safety and protects the environment.
- The Remedial Investigation and Feasibility Study (RI/FS) work plan was approved by Department of Health Services (DHS) on December 28, 1989.
- Due to anomalies in site hydrogeology that delayed the hydrogeologic site investigation and to address the landfill gas migration issue, DHS approved dividing the project into two separate ‘operable units’ consisting of “Wastefill” and “Groundwater” units that were to be addressed separately.
- A RI/FS and health risk assessment as well as a Remedial Action Plan (RAP) and remedial design were prepared for the Wastefill Operable Unit and approved by DTSC. In preparation for the RAP, a remedial action feasibility study was conducted and a report entitled “Feasibility Study Report for a Portion of the Gardena Valley 1 & 2 Landfill” was prepared by Bryan A. Stirrat & Associates, Inc., dated August 1991. The RAP was developed in June 1992 by Stirrat & Associates. Based on the general design basis of the RAP, the “Final Design Report for the Gardena Valley 1 & 2 Landfill, Carson, California” was prepared by Tetra Tech, Inc., dated June 1999 (referred to hereafter as the “Final Design Report”).

The Groundwater Operable Unit investigation is still pending. DTSC has indicated historically that there is no significant impact to groundwater from the wastefill and offsite sources may be responsible for impacts to local aquifers. This interpretation was documented in the “Priority Setting for Cleanup of State-Funded Hazardous Substances Releases Sites, Project Fact Sheet”, prepared by the Southern California Cleanup Operations Branch B, (undated, however estimated post 1995). Recent discussions with the DTSC and Trammell Crow indicated that DTSC is willing to collaborate regarding the development of the site. These discussions indicated the following:

- DTSC stated they have no objections to the construction of buildings over landfills and are currently working with others on the development of a 157-acre adjacent landfill to the east of the subject site. DTSC indicated they would have to evaluate the development plan to ensure that it is consistent with the intentions of the overall remedial plan and ensures the safety of proposed building occupants.

- DTSC involvement would require an agreement with Trammell Crow for oversight cost recovery, which may be attainable via a voluntary agreement.
- DTSC was made aware that a remediation agreement exists between the owner of the subject 14-acre site and the adjacent 3.8 acres of landfill extending onto adjacent properties to the south. This clarified the understanding with the DTSC that implementation of the RAP for the entire former landfill property would be coordinated among all parties.
- DTSC was informed of Trammell Crow's intent to amend/re-submit the RAP, or appropriate modifying paperwork ("Explanation of Significant Difference"), to accommodate development plans, once these have been determined. DTSC indicated they will work with the proponent on items such as alternative cap materials, design, etc., as is being conducted for the aforementioned nearby landfill property.

APPROVED LANDFILL CLOSURE FINAL DESIGN

The design objectives for the 1999 Final Design Report included constructing a landfill cap that minimizes water infiltration into the underlying waste, while controlling stormwater runoff from the site. The landfill cap included a bituminous concrete surface that allows for future redevelopment of the site for commercial activities. In addition, a landfill gas extraction system that collects landfill gas and directs it to a destruction system (flare) was included in the design, to prevent off-site migration of landfill gas.

The 1999 Final Design Report contains the following design elements:

- Multi-layer landfill cap including the following from the bottom, up: 24-in. foundation soil layer, overlain by a geosynthetic clay liner (GCL) barrier layer, overlain by a geocomposite drainage layer, overlain by an 18-in. crushed stone subbase, and a 4-in bituminous pavement. The cap would have a minimum grade of 2% (top), and a maximum grade of 25% (side slopes).
- Landfill gas would be controlled by a landfill gas extraction and flare destruction system. Landfill gas would be extracted utilizing 24 vertical gas extraction wells, collected by laterals to a landfill gas collection header system. A blower would create a negative pressure on the system and conduct the gas to a flare for destruction in accordance with Best Available Control Technology (BACT). Condensate generated as a result of gas collection would be collected for periodic pumping and off-site disposal. Gas monitoring wells would be installed around the perimeter of the landfill to verify that landfill gas is not migrating from the site.

The proposed development will need to be integrated with landfill closure requirements, such that the design objectives are met. As indicated above, DTSC is willing to work with a project proponent to make the landfill closure compatible with future site use. It is likely that specific components of the approved final design would have to be altered to assure compatibility with future site use, while continuing to meet landfill closure design objectives.

DEVELOPMENT CONSIDERATIONS

Assumed Development Scenario

Trammell Crow has indicated that it does not have a specific site development scenario at this time. The general nature of land use in the vicinity is one- to two-story office, commercial,

retail, or light industrial use. Accordingly, structures consistent with these types of site use have been assumed during our study (i.e., not multi-story office or residential use).

Although the assumed and probable site re-development scenario is one- to two-story buildings, we note that premium foundation costs on landfill sites are usually lower (on a per sq. ft of building space basis) for taller buildings. The cost of foundations, lowest floor slabs, utility connections, egress features and building-specific landfill closure measures can usually be amortized more efficiently for multi-story buildings. For a given overall development size, taller buildings also reduce the number of transitions from non-yielding (pile-supported) structures to site areas subject to settlement.

Landfill Closure and Development Integration

Site re-development must be integrated with the landfill closure such that design intent of the Final Design Report is achieved. The integrated development-closure must create a site condition that is protective of public health, safety, welfare and the environment, both for site users and those off-site. Re-development and landfill closure plans will require review and approval by DTSC.

In particular, the landfill cap and gas mitigation systems must be integrated with the building design. Details such as connections of gas barrier membranes to foundations, utility penetrations of the cap and similar details will require careful attention.

Ideally, the re-development design should consider and accommodate the condition of the site as a landfill. From a site performance perspective, a few larger-footprint structures would be preferable to multiple smaller-footprint buildings. After re-development, the site will experience some subsidence due to waste decomposition and compression. As buildings would be founded on stable, deeper foundations bearing below the landfill waste, some differential settlement between buildings and the site will likely occur over time. Fewer structures would result in fewer transition issues (utility connections, egress, etc.)

Geotechnical Site Development Issues

Geotechnical issues that could impact site re-development are discussed below:

Site Settlement

The 1999 Final Design Report estimated that the landfill could experience approximately 1 to 3 ft of “primary” settlement within 3 to 6 months following site regrading and placement of the planned 4 ft of additional cover soils on the landfill, and approximately 1.5 to 2.5 ft of long-term settlement due to long-term creep and waste decomposition over 10 to 50 years.

In our experience, total settlements of this order of magnitude are possible assuming no settlement mitigation measures are undertaken, although the upper limits of the settlement ranges seem somewhat conservative. The actual magnitude of “primary” settlement that would occur during site construction would be a function of the thickness, moisture content, character and state of decomposition of the waste, actual construction sequence, amount of additional soil placed on top of the landfill waste, duration of construction activities and whether measures are

taken to mitigate settlement. The magnitude of long-term (post-construction) settlement that may occur is also dependant on these factors.

Differential settlements on the order of 25 to 75 percent of the total settlements are common at landfills such as the subject site. As the approximate thickness of waste is fairly uniform across the site, differential settlement would likely be most significant near the limits of the waste, where the transition occurs between substantial waste thickness and no/limited waste thickness, such as is visible at the properties abutting the south site boundary.

Although relatively significant site settlements can be accommodated in a site design, measures can be taken to reduce the post-construction total and differential settlements, often to magnitudes that can be managed by a site maintenance program. Two types of mitigating measures that have been used to reduce post-construction settlements at landfills include:

- Surcharging - surcharging is the systematic placement of a designed soil fill embankment over the landfill waste, leaving it in place for several months to precompress the waste. Following accomplishment of the desired settlement, the surcharge fill is removed and placed in a different area of the site as another surcharge, used as permanent fill (such as part of the landfill cap), or taken off-site.
- Deep Dynamic Compaction - Deep Dynamic Compaction (DDC) is the process of systematically dropping a heavy weight from a predetermined height (often a steel or reinforced concrete weight dropped from a crane), on a specific, closely-spaced grid pattern to induce compaction of the underlying materials. Depending on the energy used and nature of the material being compacted, DDC can densify the ground to depths as great as 15 to 20 ft. In addition to reducing the waste compressibility, the process can also create a relatively stiff upper “mat” of compacted material, yielding a more stable surface that is less susceptible to differential settlement.

Both of these techniques are potentially feasible at the subject site, subject to site design criteria, project schedule and other factors. We anticipate that one or both techniques would be used to facilitate re-development of the subject site.

In our experience, retail and commercial site development designs have been able to accommodate anticipated total site settlements of up to about 2 ft and differential settlements of about 6 inches in 100 ft, over the design life of the facility. Although studies would be required to confirm settlement estimates for design purposes, we anticipate that post-construction settlements of the subject site could be limited to such levels.

Building Foundation Requirements

The solid waste present on site is unsuitable for support of building foundations due to its variable and compressible nature. New buildings should bear on foundations that transmit structural loads to the naturally-deposited soils underlying the solid waste. It is likely that pile foundations would be the most cost-efficient foundation system for 1- to 2-story buildings at the site.

Selection of the appropriate pile type and capacity for future buildings will be a function of the building loads and configuration, construction considerations such as ability to resist damage due to obstructions during driving, underlying soil conditions, and cost considerations. Precast-prestressed concrete piles and possibly concrete-filled steel pipe piles, deriving their support in

friction in the underlying sandy soils, are likely candidate systems. Provisions for corrosion protection would likely be needed for steel piles. It is likely that pile locations will need to be pre-augered or pre-excavated to remove obstructions in the solid waste prior to pile driving.

As the existing solid waste and cover soils are unlikely to provide substantial lateral resistance to the building during seismic loading events, supplemental lateral resistance may be achieved through use of structural elements to tie foundations together (such as grade beams), through the use of battered piles (piles driven at an angle), or replacement of the upper several feet of waste below and immediately around the building.

Assuming floor settlements must be controlled to normal tolerances, ground floors should be designed as reinforced concrete structural slabs supported on the building foundations.

Utilities and Transition Zones

Typically, outside of building areas, site utilities will need to be located above the barrier component of the landfill cap, so that they may be accessed for repair and maintenance without having to penetrate the barrier component of the cap, and to avoid the potential for collection of landfill gasses within the utility structures. This requirement will create the need for a landfill barrier grading scheme to accommodate utility trenches and structures, and allow for stormwater infiltrating the ground surface to be directed to site stormwater detention areas.

To ease site design and limit cost, it is usually preferable that major building service utilities be grouped together in one or more corridors. This can help limit the areas requiring special settlement mitigation measures and facilitate barrier grading. In our experience, it is also preferable to support most site utilities on-grade to avoid "hard spots" in site pavements and to limit cost, unless utility corridors can be developed in unpaved site areas. Anticipated total and differential settlements will have to be considered in design of the utilities, as well as in site grading design, to ensure acceptable utility performance over time.

Measures will be needed to enable the transition of site utilities to the relatively unyielding buildings. Special settlement-tolerant connections, transition supports, utility "shrouds" and other methods can be used for this purpose.

Similarly, means must be developed to accommodate potential differential settlement between the site and pile-supported buildings at points of egress. This is often achieved by providing transition slabs supported on the building at one end, and on-grade on the other end. The potential differential settlement between the site and pile-supported buildings may also be reduced through the use of a grid of stone columns or rammed aggregate piers, deep dynamic compaction, or various other methods. Specific methods to accommodate this potential differential settlement would be selected during design based on site uses, differential settlement tolerances, schedule, cost and a variety of other factors. Requirements to provide appropriate sidewalk slopes over time (Americans With Disabilities Act of 1990 and as amended) must also be considered in the design.

Site Grading and Other Site Engineering Issues

It is desirable to design site grade changes in a manner that can accommodate the potential long-term site settlements with minimal maintenance. Site pavement slopes and stormwater management systems will likely require greater-than-normal pitch to direct surface runoff appropriately as the site settlements develop over time.

In general, using vegetated or stone-covered slopes in lieu of retaining walls is preferred. If retaining walls are used, mechanically-stabilized (grid-reinforced) earth walls using a suitable flexible facing would be less costly and likely perform better than more rigid concrete retaining walls.

We anticipate that pavement sections typical of the assumed type of development can be used, assuming new soil cover is provided over the waste beneath the pavements.

Storm Water Detention Systems

Storm water detention systems, if required for temporary on-site storage of storm water runoff, should be designed with a liner/barrier system that is independent of the landfill cap barrier component.

Landfill Gas Protection and Management

As discussed above, landfill closure will have to be performed in general accordance with the 1999 Final Design Report, as modified to accommodate the planned site development. Integral with the landfill closure and site re-development, landfill gas will have to be managed. In addition to a network of vertical gas extraction wells covering the site, a supplemental system will be needed for collection of landfill gas below buildings. Such systems usually consist of a network of perforated pipes within a gas collection layer beneath the lowest building slab. Lowest enclosed spaces of buildings should be fitted with methane gas detectors and alarm systems that will initiate action in the event that gas concentrations reach specified limit(s).

Regardless of the gas collection system used, a gas-impermeable membrane will probably be installed integral with the lowest level floor slab. The gas barrier must prevent gas migration around pile caps, individual piles, through the floor slabs, floor penetrations and other potential points of gas entry into buildings. In our experience, fluid-applied membranes are preferred to sheet membranes or other systems for this purpose. An example product is Liquid Boot® spray-applied asphaltic membrane manufactured by LBI Technologies of Santa Ana, California. Such products are installed by approved applicators with quality assurance and control testing.

Elements of the 1999 Final Design should be evaluated with respect to their continued appropriateness in consideration of site re-development. For example, in lieu of a geosynthetic clay liner (GCL) as the barrier component of the cap, a flexible membrane liner (FML) such as a Linear Low Density Polyethylene (LLDPE) membrane may be a preferred barrier, as it may be more effective in reducing ambient air infiltration to landfill gas extraction and flare systems, can more readily accommodate differential settlement than a GCL, and is compatible with the various building systems with which it must be integrated.

PRELIMINARY SITE DEVELOPMENT PREMIUM COSTS

Major premium cost items for development on the Gardena Valley 1 and 2 Landfill property, as compared with an "ideal" uncontaminated site requiring shallow foundations, are estimated below. Premium costs provided below are considered to be order of magnitude costs in 2005 dollars, with ranges in anticipated premium costs due to actual site development program and site final design, for general planning purposes only. Actual costs will depend on many factors

including actual project configuration, time of construction, current pricing, and other conditions.

Settlement Mitigation Measures

- Deep Dynamic Compaction - \$1.75 to \$2.30 per sq ft of area to be treated (or approximately \$75,000 to \$100,000 per acre of area to be treated.)
- Surcharging – The premium cost of surcharging is heavily dependent on availability of material, and whether the material can be reused as surcharge, or ultimately used on site. For a typical 5 ft height of surcharge, used once as a surcharge fill and ultimately reused on site, the premium cost is estimated to be about \$2.00 to \$3.00 per sq ft. of area treated.

Building Foundations

We have considered two alternate development scenarios: a two-story office building and one-story “big box” type retail building.

- Two-story office building - The approximate premium foundation cost for pile foundations and structural slab for a two-story office building is estimated to be \$14 to \$18 per sq ft of building footprint.
- One-story big-box type retail building – Due to very high floor loading required for this type structure, the approximate premium cost is estimated to be \$25 to \$30 per sq ft of building footprint.

Landfill Closure

- Landfill Capping - The estimated premium cost for construction of a standard landfill cap, including a 6- to 12-in gas venting/foundation layer, barrier layer, drainage layer with a protective layer above, is on the order of \$3.25 to \$3.75 per sq ft of the site area being capped. (Note: this premium cost should be applied to the entire landfill footprint, including building areas, to account for special landfill closure related items required under buildings, such as gas venting stone and gas impermeable barrier.)
- Landfill Gas Management System – Approximate premium costs for landfill gas extraction wells, piping, blower, flare and condensate management system are estimated to be on the order of \$600,000 to \$750,000 for a 14-acre landfill, or approximately \$1.00 to \$1.25 per sq ft of landfill.

Engineering and Design Services

Significantly greater consulting engineering, site design, permitting, and construction monitoring efforts are required for development of buildings on a landfill as compared with a conventional, uncontaminated property. Anticipated premium costs are as follows:

- Design and Permitting – Once a site development program is identified, it is recommended that a premium of approximately \$1.25 million to \$1.5 million is allocated for the geotechnical engineering, landfill closure design and engineering, and site design/ civil engineering for the development.

- Construction Monitoring and Site Closure Certification – Approximate premium costs for monitoring construction of landfill closure and pile installation, including site closure certification, are estimated to be approximately \$350,000 to \$600,000. The range is due to variations in potential site development program requirements.

SCHEDULE COMMENTS

Based on our experience, once a site development program is generated and worked out, geotechnical engineering, landfill closure and site design could take on the order of 3 to 6 months due to the site-specific design issues that must be addressed for a landfill redevelopment project. Once geotechnical engineering and site design are complete, site permitting plans can be finalized.

NEXT STEPS

The following general sequence of the major steps is anticipated to be required to pursue re-development of the Gardena Valley 1 and 2 Landfill:

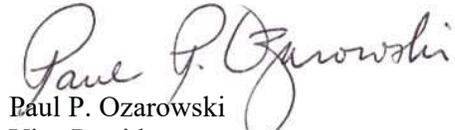
- Planning Project Development - Develop the project development scenario, and conduct more detailed feasibility evaluations based on preliminary development and design concepts.
- Site and Project Design – Prepare the project detailed design, including additional subsurface investigations for geotechnical engineering of building foundations, as well as detailed landfill closure design integration with site development.
- Regulatory Submittals and Approval – Results of detailed site closure design and engineering would be submitted to DTSC for review and approval.
- Construction – Following DTSC approval of project design and obtaining of other required permits, construction could begin.
- Regulatory Closeout – After construction is complete, a construction certification report would be prepared for submission to DTSC to document landfill closure activities implemented for the landfill and development project.

CLOSURE

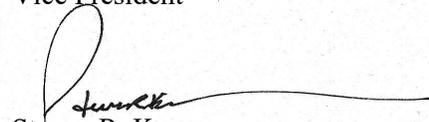
We trust the information provided herein is helpful to Trammell Crow in its evaluation of potential re-development of the Gardena Valley 1 and 2 Landfill. Thank you again for inviting us to serve the Trammell Crow team.

Trammell Crow Company
05 August 2005
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Sincerely yours,
HALEY & ALDRICH, INC.


Paul P. Ozarowski
Vice President

Robert L. Manriquez
Sr Geologist, PG No. 7407


Steven R. Kraemer
Senior Vice President

Enclosures:

- Table I – Summary of Trench Boring Logs
- Figure 1 – site Locus
- Figure 2 – Assessor's Parcel Map
- Figure 3 – Site Plan
- Appendix A - Copies of Field Trenching Logs



AEI Consultants

Environmental & Engineering Services

July 9, 2013

LIMITED SOIL VAPOR SURVEY

Property Identification:

205-305 West Torrance Boulevard
200793-20795 South Main Street
Carson, California 90745

AEI Project No. 321079

Prepared for:

Mr. Richard Rand
Rand Resources, LLC
1111 La Collina Drive
Beverly Hills, California 90210

Prepared by:

AEI Consultants
2233 W. 190th Street
Torrance, CA 90504
(310) 798-4255

San Francisco HQ

Atlanta

Chicago

Costa Mesa

Dallas

Denver

Los Angeles

Miami

New York

Phoenix

Portland

San Jose

National Presence
Regional Focus
Local Solutions

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AEI Consultants

Environmental & Engineering Services

July 9, 2013

Mr. Richard Rand
Rand Resources, LLC
1111 La Collina Drive
Beverly Hills CA 90210

Subject: Limited Soil Vapor Survey
205-305 West Torrance Boulevard
20793-20795 South Main Street
Carson, California 90745
AEI Project No. 321079

Dear Mr. Rand:

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Limited Soil Vapor Survey performed at the above referenced subject property (Figures 1 and 2). This investigation was completed in general accordance with the scope of services outlined in our authorized proposal number 34463.

1.0 SITE DESCRIPTION

The subject property is located on the northern side of W. Torrance Blvd. west of S. Main St. at the northwest corner of the intersection of these two streets Carson, California (Figure 2). The subject property consists of a one story office building and a concrete tilt up warehouse building on the southern portion and an asphalt covered parking lot on the northern portion.

2.0 BACKGROUND AND PURPOSE

According to information reviewed on the Geotracker website, the adjacent property to the north was a former 157 acre landfill (Cal Compact Landfill). At this time it is unknown how long the landfill was in use and what types of waste are contained. The natural biogenic processes at landfills have the potential to generate methane and other gasses.

The purpose of this limited investigation is to determine whether methane or VOCs potentially emanating from offsite have impacted the subject property

3.0 INVESTIGATION EFFORTS

3.1 Health and Safety Plan

A site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork.

3.2 Permitting and Utility Clearance

Drilling permits were not required for this investigation. The public underground utility locating service DigAlert was notified to identify public utilities within the subject property. This work was performed under the oversight of a California-licensed Professional Geologist.

3.3 Soil Vapor Sample Collection

On July 1, 2013, four (4) narrow boreholes were advanced across the subject property. Dual nested (2) temporary vapor probes were installed in each borehole. Small diameter (1-inch) holes were drilled using a rotohammer drill. The vapor probes were placed in the following locations:

- Vapor probe SV-1 was placed west of the one story office building.
- Vapor probe SV-2 was placed in the u-shape area, on the north side of the office building.
- Vapor probe SV-3 was placed east of the office building and west of the warehouse.
- Vapor probe SV-4 was placed north of the warehouse building.

The subsurface was allowed a minimum of 2 hours to equilibrate before the vapor probes were sampled. Soil vapor samples were collected in an air tight syringe by Optimal Technology under the supervision of AEI personnel. The syringes were transferred to the onsite mobile laboratory and analyzed by Optimal Technology, a state-certified laboratory (California DHS ELAP Certified Laboratory), in general accordance with the April 2012, DTSC and the Los Angeles RWQCB, "Advisory – Active Soil Vapor Investigations." Soil vapor samples were analyzed for VOCs utilizing U.S. EPA Method 8015 Modified.

3.4 Boring Destruction

Following sampling, each temporary soil vapor probe was removed and each borehole was backfilled with hydrated granular bentonite and capped with concrete to match the adjoining surface.

3.5 Investigation Derived Waste

No investigation derived soil waste was created during this investigation.

4.0 FINDINGS

The soil vapor results of this investigation were reviewed and compared to the California Office of Environmental Health Hazard Assessment (OEHHA) Table 3 (Updated September 23, 2010) - Soil Vapor Screening Levels for Volatile Chemicals below Buildings Constructed Without Engineered Fill below Sub-slab - California Human Health Screening Levels (CHHSLs). The CHHSLs are concentrations of 54 hazardous chemicals in soil or soil vapor (also called "soil vapor") that OEHHA considers to be below thresholds of concern for risks to human health. The CHHSLs were developed using standard exposure assumptions and chemical toxicity values published by the USEPA and Cal EPA. The CHHSL screening levels were developed as a set of comparison values for soil vapor samples collected from depths of 5 feet bgs. Further details regarding soil vapor sampling are discussed in section 4.1 below.

4.1 Soil Vapor Sample Analytical Results

The following information is a summary of the **soil vapor** sample analytical test results (Appendix A). This information is included in Table 1.

No VOCs were detected in the sub-slab soil vapor samples submitted for analysis.

Methane was detected in following samples and concentrations:

- In SV-2 at 5 ft. bgs at a concentration of 3.67 micrograms per Liter ($\mu\text{g/L}$)
- In SV-2 at 14 ft. bgs at a concentration of 2,234.26 $\mu\text{g/L}$
- In SV-3 at 5 ft. bgs at a concentration of 2.73 $\mu\text{g/L}$
- In SV-3 at 13 ft. bgs at a concentration of 6.55 $\mu\text{g/L}$
- In SV-4 at 12 ft. bgs at a concentration of 2.13 $\mu\text{g/L}$.

There is no established CHHSL for methane.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a Limited Soil Vapor Survey at the subject property. The purpose of this investigation is to assess soil vapor with regard to the potential impacts to the subject property from the offsite former landfill. A total of 8 soil vapor points were advanced during this investigation. Soil vapor samples were analyzed for VOCs via U.S. EPA Modified Method 8015.

The results of soil vapor analyses from this investigation were compared to CHHSLs. The investigation did not identify VOCs in the vapor samples collected and analyzed as part of this investigation.

Methane was detected in trace amounts in five of the eight soil vapor samples collected and analyzed. The highest concentration of methane detected (2,234.26 $\mu\text{g/L}$) was from sample SV-2-14'. This concentration is well below the lower explosive limit (LEL) for methane by volume of air.

Based on the findings of this report, AEI recommends no further investigation is warranted concerning these issues at the subject property.

6.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to the scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the subject property. Undocumented, unauthorized releases of hazardous material(s), the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, is or has been made.

This investigation was prepared for the sole use and benefit of Mr. Richard Rand and/or Rand Resources, LLC. All reports, both verbal and written, whether in draft or final, are for the benefit of Mr. Richard Rand and/or Rand Resources, LLC. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Mr. Rand on June 27, 2013. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

If there are any questions regarding our investigation, please do not hesitate to contact AEI at 310-798-4255.

Sincerely,
AEI Consultants

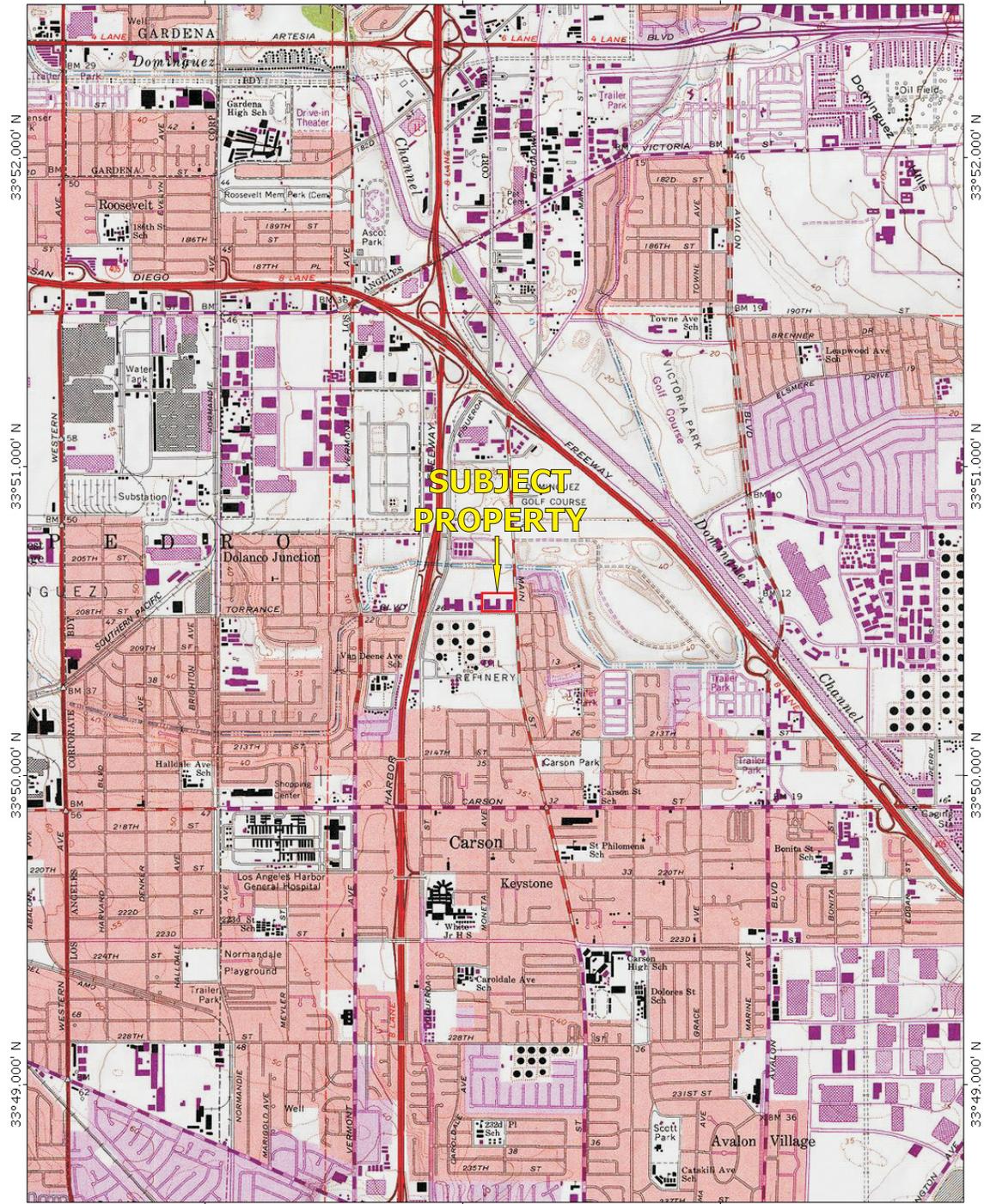


Kent Vollmer, CEG
Department Manager



Adam Bennett, REPA
Vice President

FIGURES



0 1000 FEET 0 500 1000 METERS

Map created with TOPO! © 2003 National Geographic (www.nationalgeographic.com/topo)

SITE LOCATION MAP

205-305 West Torrance Boulevard &
20793-20795 South Main Street, Carson, California 90745



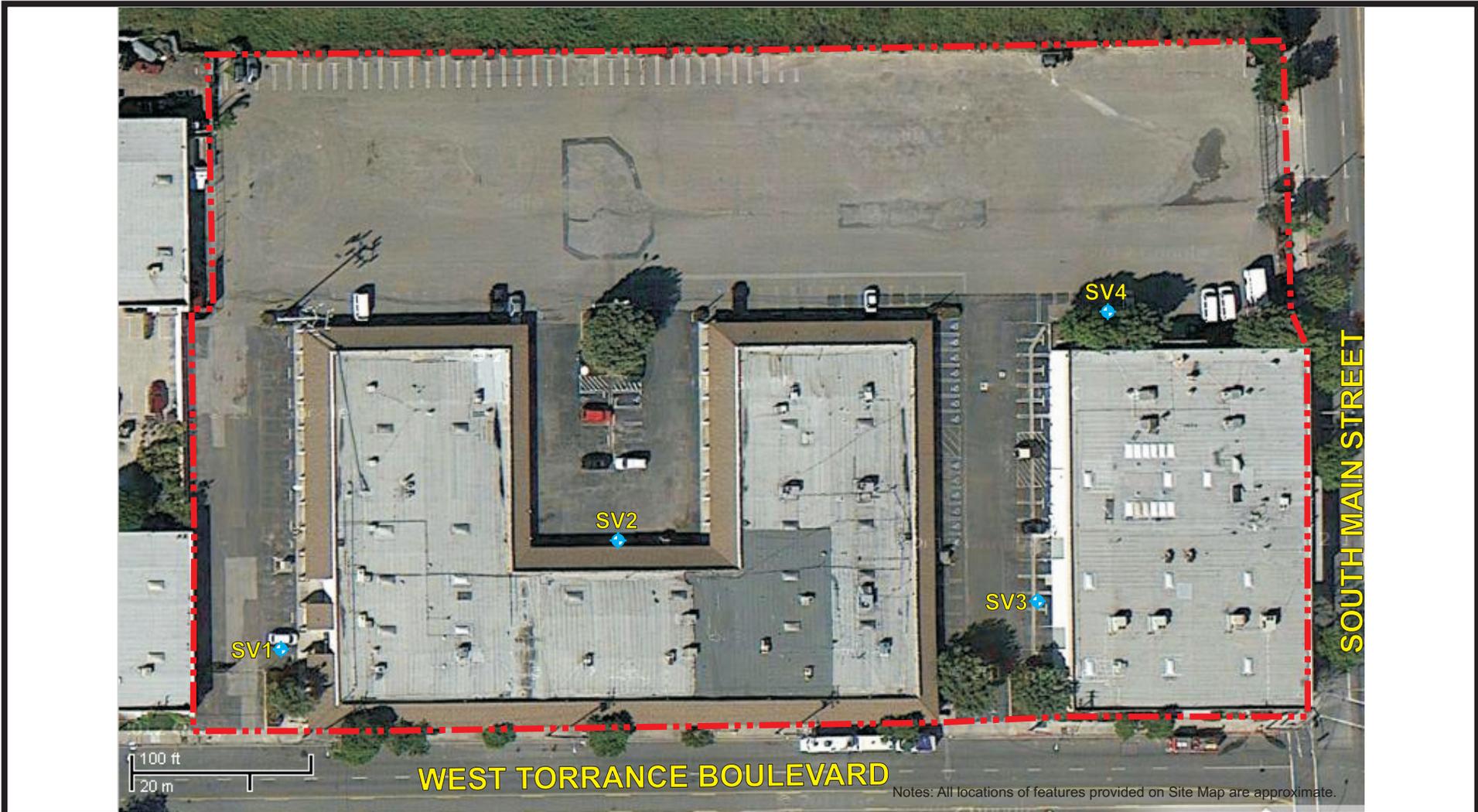
Legend

USGS TOPOGRAPHIC MAP
TORRANCE, CA QUADRANGLE

FIGURE 1

Project Number: 321079

AEI
Consultants



SITE MAP

205-305 West Torrance Boulevard & 20793-20795 South Main Street, Carson, California 90745



Legend

AEI's Phase II Boring Location - July 2013 ◆ SV4
 Approximate Subject Property Boundary - - - - -

FIGURE 2

Project Number: 321079



TABLES

TABLE 1: SOIL GAS SAMPLE DATA SUMMARY
205-305 W. Torrance Blvd., Carson, CA
AEI Project No. 321079

| Location ID | Sample Date | Sample ID | Sample Depth (feet bgs) | PCE (µg/L) | TCE (µg/L) | cis-1,2-DCE (µg/L) | trans-1,2-DCE (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | All Other VOCs (µg/L) | Methane (µg/L) | % by volume |
|--|-------------|-----------|-------------------------|------------|------------|--------------------|----------------------|----------------|----------------|---------------------|----------------------|-----------------------|----------------|-------------|
| SV1 | 7/1/13 | SV-1-5' | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | <1.0 | 0 |
| SV1 | 7/1/13 | SV-1-12' | 12 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | <1.0 | 0 |
| SV2 | 7/1/13 | SV-2-5' | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | 3.67 | 0.00056 |
| SV2 | 7/1/13 | SV-2-14' | 14 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | 2,234.3 | 0.34 |
| SV3 | 7/1/13 | SV-3-5' | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | 2.73 | 0.00042 |
| SV3 | 7/1/13 | SV-3-13' | 13 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | 6.55 | 0.00099 |
| SV4 | 7/1/13 | SV-4-5' | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | <1.0 | 0 |
| SV4 | 7/1/13 | SV-4-12' | 12 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <MRL | 2.13 | 0.00032 |
| Comparison Values: | | | | | | | | | | | | | | |
| Cal OEHHA Table 2 (Updated 9/23/10) - Commercial/Industrial Scenario - Soil Gas Screening Levels for Volatile Chemicals below Buildings Constructed with Engineered Fill below Sub-slab Gravel in µg/L | | | | 1.6 | 4.4 | 120 | 240 | 0.28 | 890 | 3.6 | 2,100 | Varies | -- | -- |
| Methane Lower Explosive Limit (LEL) in % by volume of air | | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.4 |

Notes:

| | | | |
|-----|--------------------------------|-------------|--|
| PCE | tetrachloroethylene | bgs | below ground surface |
| TCE | trichloroethylene | µg/L | micrograms per liter |
| DCE | dichloroethylene | VOCs | Volatile Organic Compounds |
| MRL | Method reporting limit | Bold | concentration above respective screening level |
| N/A | not applicable/not established | | |

APPENDIX A

LABORATORY ANALYTICAL REPORT



July 2, 2013

Mr. Noel Hernandez
AEI Consultants
5933 W. Century Blvd.
Los Angeles, CA 90045

Dear Mr. Hernandez:

This letter presents the results of the soil vapor investigation conducted by Optimal Technology (Optimal), for AEI Consultants on July 1, 2013. The study was performed at 205-305 W. Torrance Blvd., Carson, California.

Optimal was contracted to perform a soil vapor survey at this site to screen for possible chlorinated solvents and aromatic hydrocarbons. The primary objective of this soil vapor investigation was to determine if soil vapor contamination is present in the subsurface soil.

Gas Sampling Method

Gas sampling was performed by hydraulically pushing soil gas probes to a depth of 5.0-14.0 feet below ground surface (bgs). When necessary one-quarter inch Nylaflo tubing was installed at depth in a one-foot sand pack. Hydrated bentonite filled the hole from the top of the sand pack to the surface. An electric rotary hammer drill was used to drill a 1.0-inch diameter hole through the overlying surface to allow probe placement when required. The same electric hammer drill was used to push probes in areas of resistance during placement.

At each sampling location an electric vacuum pump set to draw 0.2 liters per minute (L/min) of soil vapor was attached to the probe and purged prior to sample collection. Vapor samples were obtained in Hamilton gas-tight syringes by puncturing tubing which connects the sampling probe and the vacuum pump. New tubing was used at each sampling point to prevent cross contamination. Samples were immediately injected into the gas chromatograph after collection.

All analyses were performed on a laboratory grade Hewlett Packard model 5890 Series II gas chromatograph equipped with a Flame Ionization Detector (FID) and an Electron Capture Detector (ECD). Restec wide bore capillary columns using hydrogen as the carrier gases were used to perform all analysis. All results were collected on a personal computer utilizing Hewlett Packard's PC based chromatographic data collection and handling system.

Quality Assurance

5-Point Calibration

The initial five point calibration consisted of 20, 50, 100, 200 and 500 ul injections of the calibration standard. A calibration factor on each analyte was generated using a best fit line method using the HP data system. If the r^2 factor generated from this line was not greater than 0.990, an additional five point calibration would have been performed. Method reporting limits were calculated to be 0.01-1.0 micrograms per Liter (ug/L) for the individual compounds.

A daily calibration check and end of run calibration check was performed by preparing a calibration solution from a pre-mixed standard supplied by CPI International. The standard contained common halogenated solvents and aromatic hydrocarbons (see Table 1). The individual compound concentrations in the standards ranged between 0.025 nanograms per microliter (ng/ul) and 0.25 ng/ul.

TABLE 1

| | | |
|--------------------------|---------------------------|----------------|
| Dichlorodifluoromethane | Carbon Tetrachloride | Chloroethane |
| Trichlorofluoromethane | 1,2-Dichloroethane | Benzene |
| 1,1-Dichloroethene | Trichloroethene | Toluene |
| Methylene Chloride | 1,1,2-Trichloroethane | Ethylbenzene |
| trans-1,2-Dichloroethene | Tetrachloroethene | m-/p-Xylene |
| 1,1-Dichloroethane | Chloroform | o-Xylene |
| cis-1,2-Dichloroethene | 1,1,1,2-Tetrachloroethane | Vinyl Chloride |
| 1,1,1-Trichloroethane | 1,1,2,2-Tetrachloroethane | Freon 113 |
| 4-Methyl-2-Pentanone | Cyclohexane | Acetone |
| Chlorobenzene | 2-Butanone | Methane |
| Isobutane | | |

Sample Replicates

A replicate analysis (duplicate) was run to evaluate the reproducibility of the sampling system and instrument. The difference between samples did not vary more than 20%.

Equipment Blanks

Blanks were run at the beginning of each workday and after calibrations. The blanks were collected using an ambient air sample. These blanks checked the septum, syringe, GC column, GC detector and the ambient air. Contamination was not found in any of the blanks analyzed during this investigation. Blank results are given along with the sample results.

Tracer Gas

A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the tubing meets the probe connection and the surface bentonite seals. Isobutane was used as the tracer gas, found in common shaving cream. No Isobutane was found in any of the samples collected.

Scope of Work

To achieve the objective of this investigation a total of 9 vapor samples were collected from 4 locations at the site. Sampling depths, vacuum readings, purge volume and sampling volumes are given on the analytical results page. All the collected vapor samples were analyzed on-site using Optimal's mobile laboratory.

Subsurface Conditions

Subsurface soil conditions at this site were predominately silty-clay from ground surface to 14.0 feet below ground surface. These soil conditions offered sampling flows at 0-35" water vacuum. Depth to groundwater was unknown at the time of the investigation.

Results

During this vapor investigation six samples contained levels of Methane. Methane levels ranged from 2.13 ug/L at SV-4-12' to 2,234.26 ug/L at SV-2-14'. None of the other compounds listed in Table 1 above were detected above the listed reporting limits. A complete table of analytical results is included with this report.

Disclaimer

All conclusions presented in this letter are based solely on the information collected by the soil vapor survey conducted by Optimal Technology. Soil vapor testing is only a subsurface screening tool and does not represent actual contaminant concentrations in either the soil and/or groundwater. We enjoyed working with you on this project and look forward to future projects. If you have any questions please contact me at (877) 764-5427.

Sincerely,



Attila Baly
Project Manager

APPENDIX C

Historical Research Documentation



Gardena Valley 1 & 2 Landfill

Main Street & Figueroa

Carson, CA 90745

Inquiry Number: 6333862.8

January 19, 2021

The EDR Aerial Photo Decade Package



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EDR Aerial Photo Decade Package

01/19/21

Site Name:

Gardena Valley 1 & 2 Landfill
Main Street & Figueroa
Carson, CA 90745
EDR Inquiry # 6333862.8

Client Name:

Haley & Aldrich
9040 Friars Rd.
San Diego, CA 92108
Contact: Keith Foster



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Search Results:

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|--------------|------------------------------------|----------------------------------|
| 2016 | 1"=500' | Flight Year: 2016 | USDA/NAIP |
| 2012 | 1"=500' | Flight Year: 2012 | USDA/NAIP |
| 2009 | 1"=500' | Flight Year: 2009 | USDA/NAIP |
| 2002 | 1"=500' | Acquisition Date: January 01, 2002 | USGS/DOQQ |
| 1994 | 1"=500' | Acquisition Date: May 31, 1994 | USGS/DOQQ |
| 1989 | 1"=500' | Flight Date: August 22, 1989 | USDA |
| 1981 | 1"=500' | Flight Date: February 21, 1981 | EDR Proprietary Brewster Pacific |
| 1977 | 1"=500' | Flight Date: January 18, 1977 | 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 17, 1947 | FAIR |
| 1928 | 1"=500' | Flight Date: January 01, 1928 | FAIR |

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INQUIRY #: 6333862.8

YEAR: 2016

— = 500'





INQUIRY #: 6333862.8

YEAR: 2012

— = 500'





INQUIRY #: 6333862.8

YEAR: 2009

— = 500'





INQUIRY #: 6333862.8

YEAR: 2002

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6333862.8

YEAR: 1994

— = 500'





INQUIRY #: 6333862.8

YEAR: 1989

— = 500'





INQUIRY #: 6333862.8

YEAR: 1981

— = 500'





INQUIRY #: 6333862.8

YEAR: 1977

— = 500'





INQUIRY #: 6333862.8

YEAR: 1963

— = 500'





INQUIRY #: 6333862.8

YEAR: 1952

— = 500'





INQUIRY #: 6333862.8

YEAR: 1947

— = 500'





INQUIRY #: 6333862.8

YEAR: 1928

— = 500'



Gardena Valley 1 & 2 Landfill

Main Street & Figueroa

Carson, CA 90745

Inquiry Number: 6333862.4

January 15, 2021

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EDR Historical Topo Map Report

01/15/21

Site Name:

Gardena Valley 1 & 2 Landfill
Main Street & Figueroa
Carson, CA 90745
EDR Inquiry # 6333862.4

Client Name:

Haley & Aldrich
9040 Friars Rd.
San Diego, CA 92108
Contact: Keith Foster



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Haley & Aldrich were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

| | | | |
|-----------------|-------------|----------------------|--------------------------------|
| P.O.# | 0200757-000 | Latitude: | 33.843893 33° 50' 38" North |
| Project: | 0200757-000 | Longitude: | -118.282468 -118° 16' 57" West |
| | | UTM Zone: | Zone 11 North |
| | | UTM X Meters: | 381346.86 |
| | | UTM Y Meters: | 3745587.00 |
| | | Elevation: | 26.65' above sea level |

Maps Provided:

| | |
|------------|------|
| 2012 | 1896 |
| 1981 | |
| 1972 | |
| 1964 | |
| 1951 | |
| 1948 | |
| 1930, 1934 | |
| 1924 | |

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Topo Sheet Key

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2012 Source Sheets



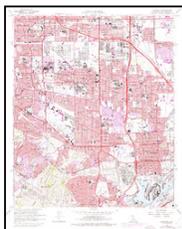
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7.5-minute, 24000

1981 Source Sheets



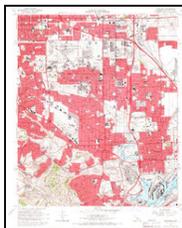
Torrance
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Torrance
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Torrance
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1951 Source Sheets



Torrance
1951
7.5-minute, 24000
Aerial Photo Revised 1947

1948 Source Sheets



REDONDO
1948
15-minute, 50000

1930, 1934 Source Sheets



Compton
1930
7.5-minute, 24000



Torrance
1934
7.5-minute, 24000

1924 Source Sheets



Torrance
1924
7.5-minute, 24000

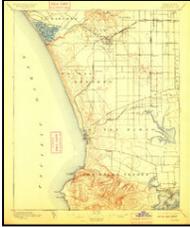


Compton
1924
7.5-minute, 24000

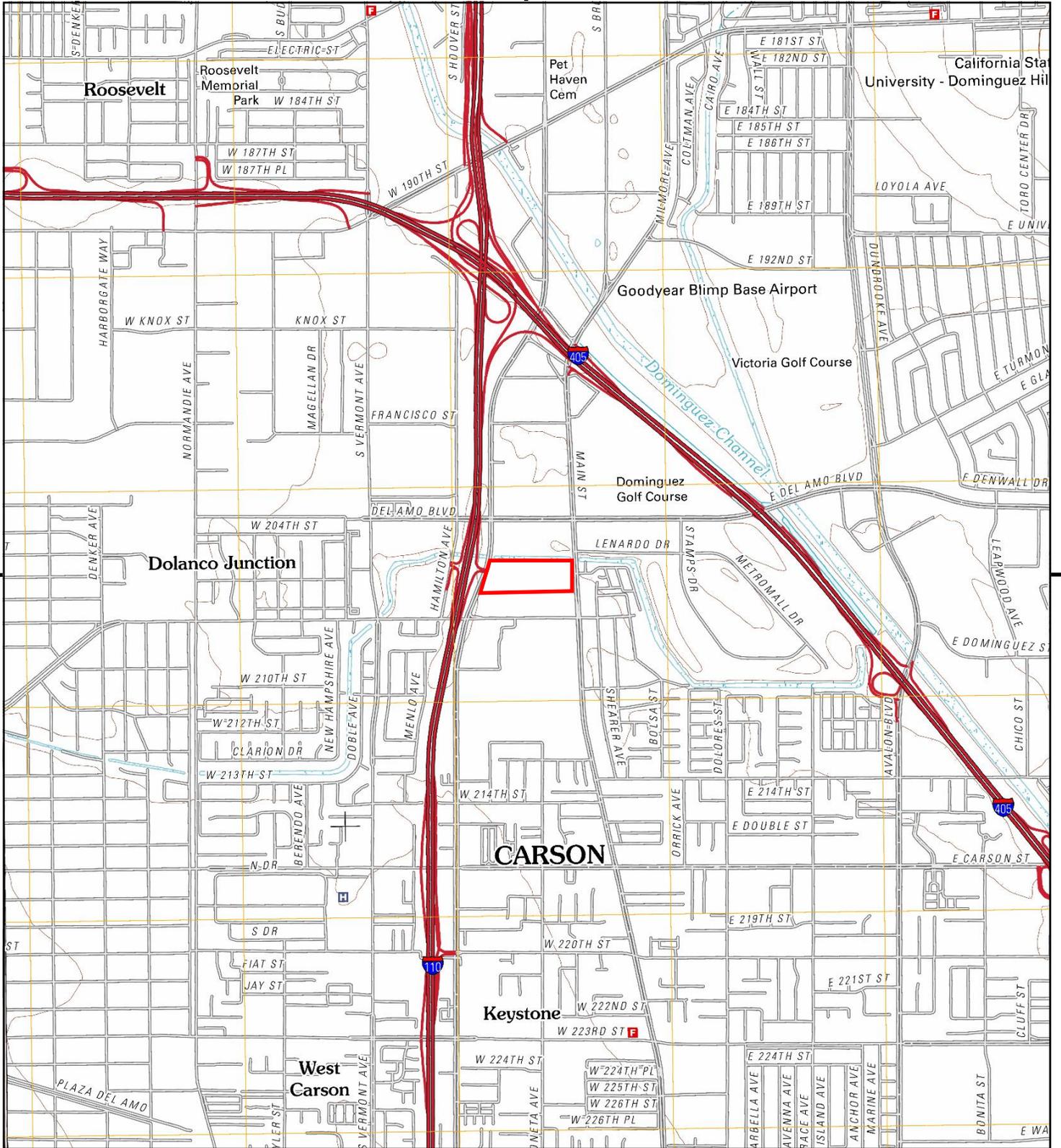
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

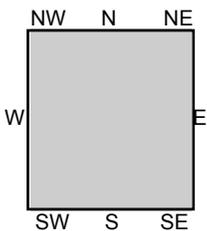
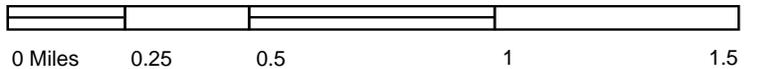
1896 Source Sheets



Redondo
1896
15-minute, 62500



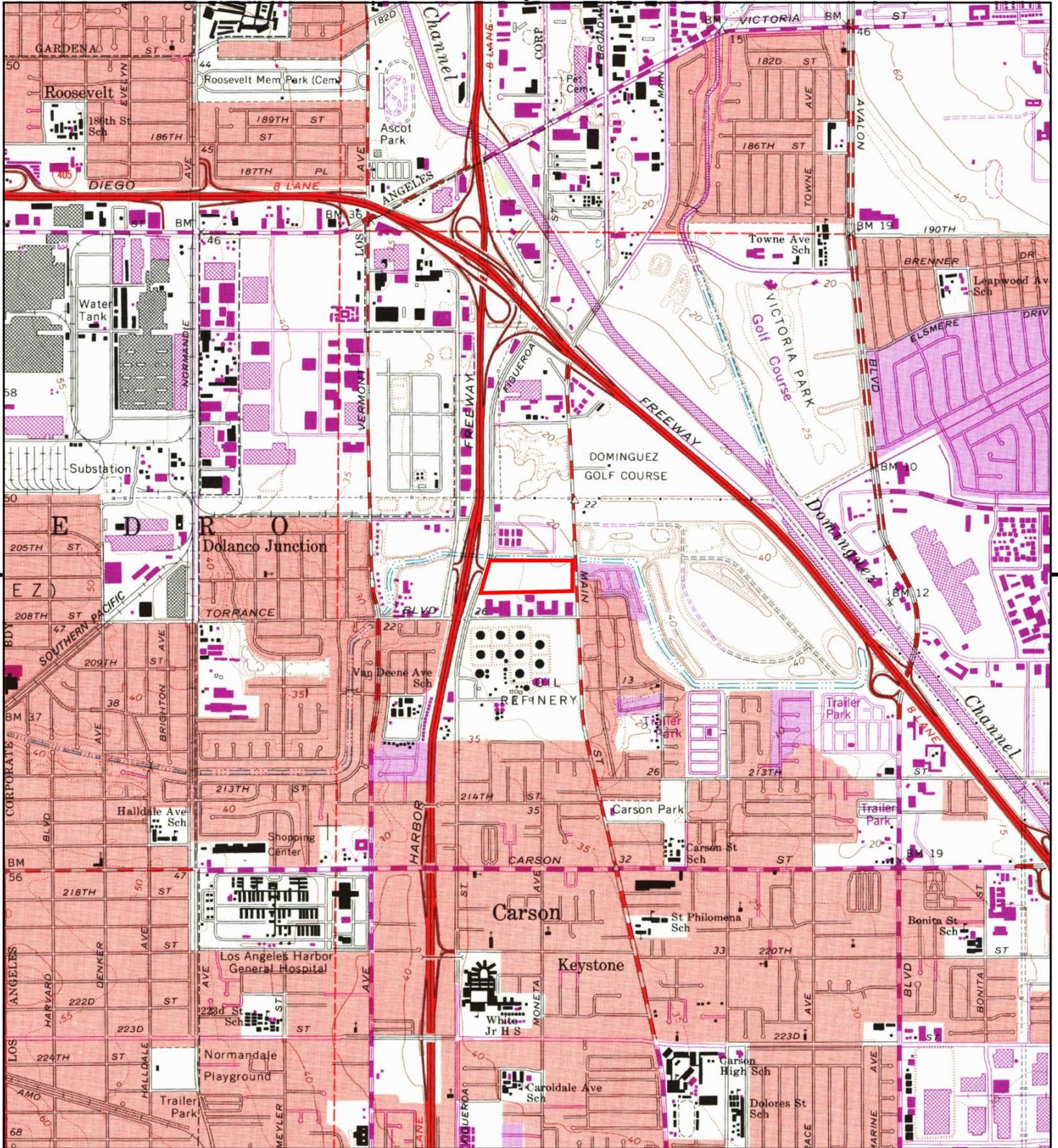
This report includes information from the following map sheet(s).



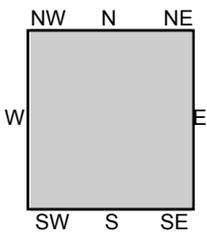
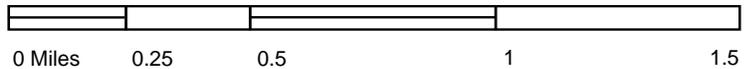
TP, Torrance, 2012, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
 ADDRESS: Main Street & Figueroa
 Carson, CA 90745
 CLIENT: Haley & Aldrich





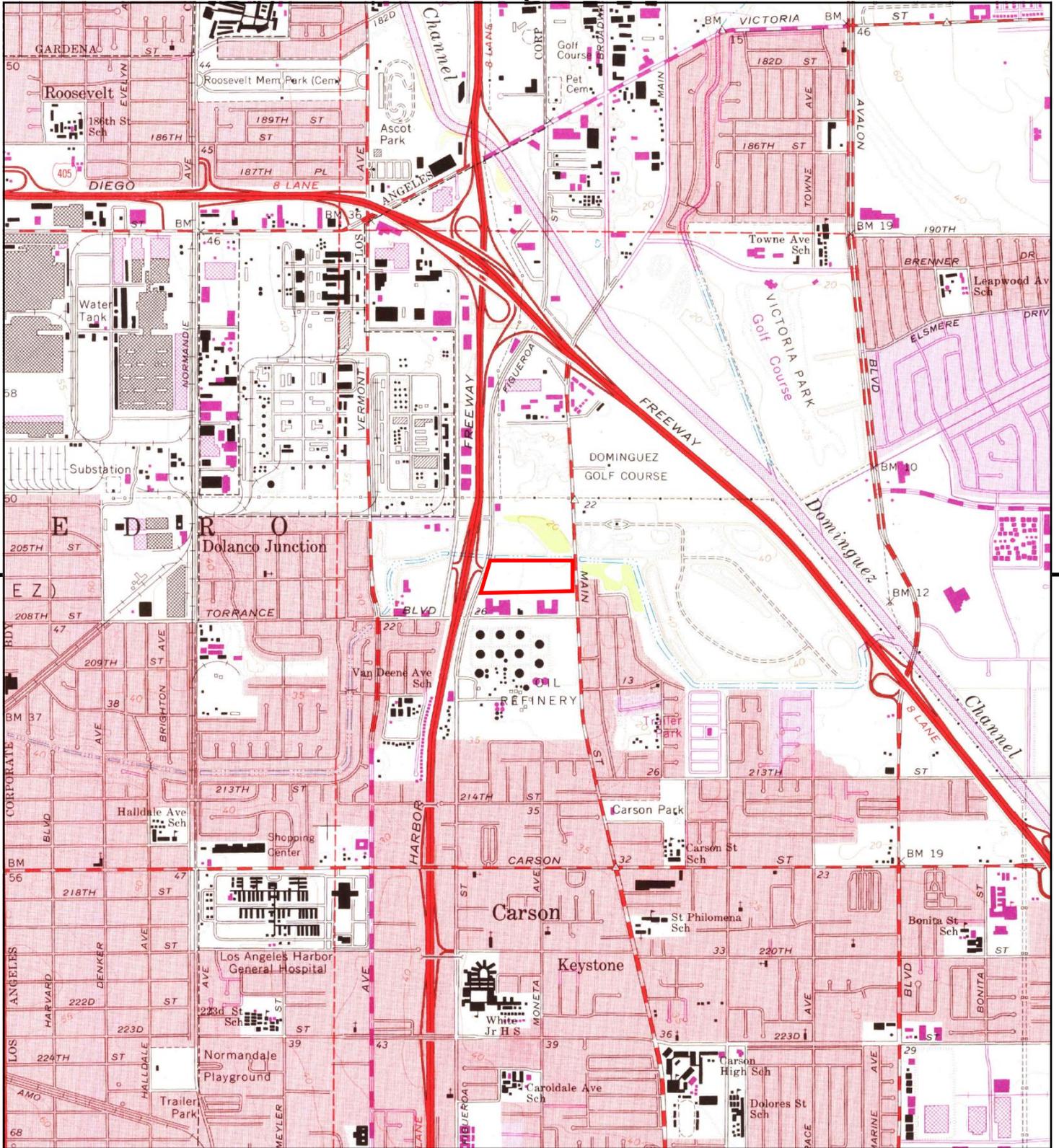
This report includes information from the following map sheet(s).



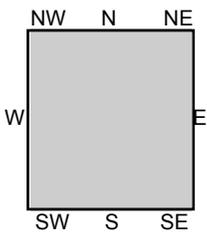
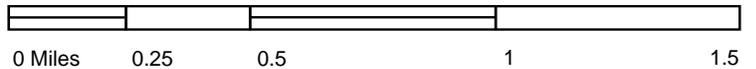
TP, Torrance, 1981, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
 Carson, CA 90745
CLIENT: Haley & Aldrich





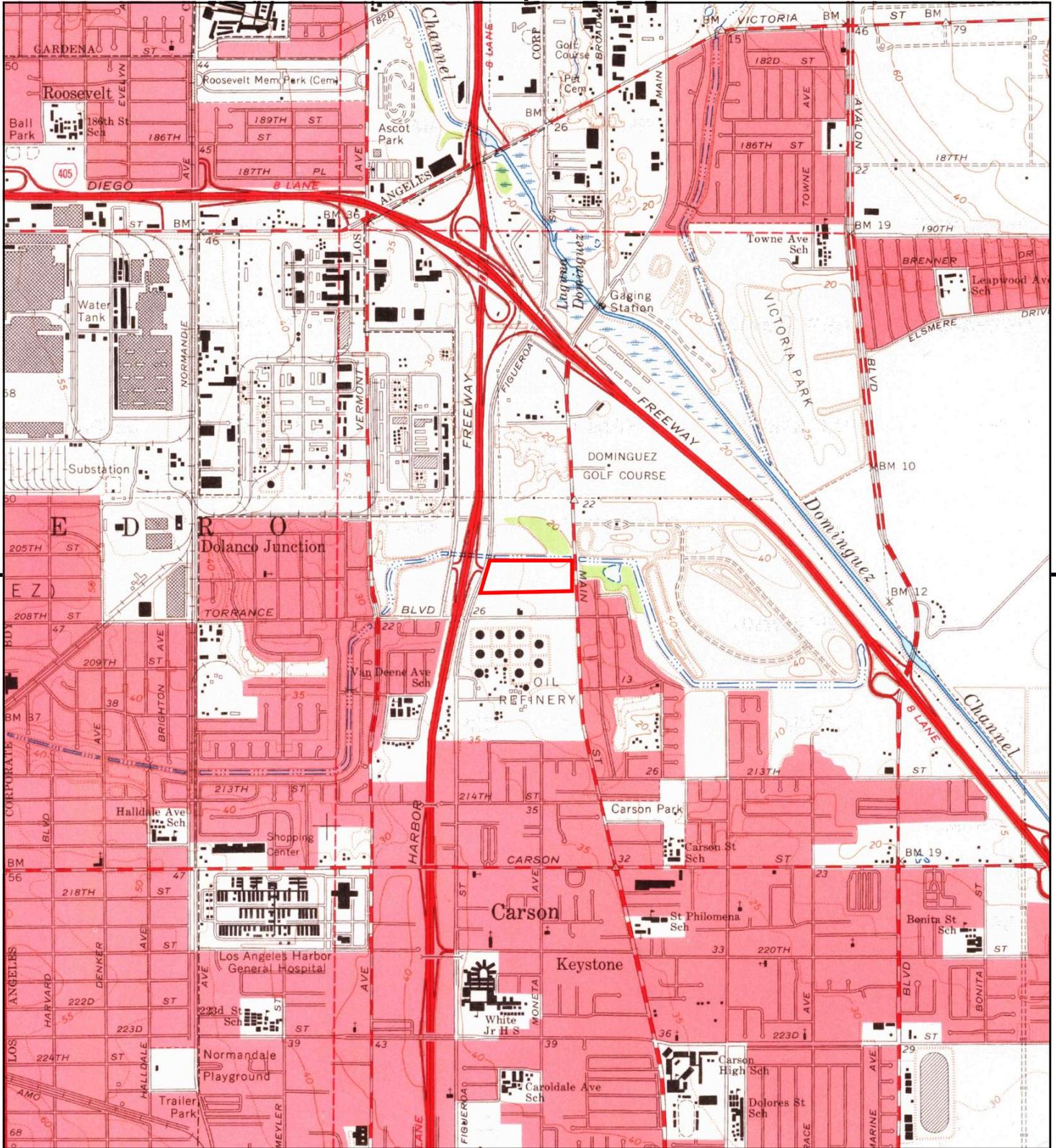
This report includes information from the following map sheet(s).



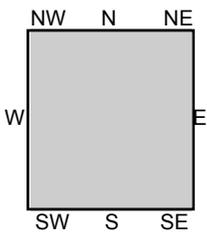
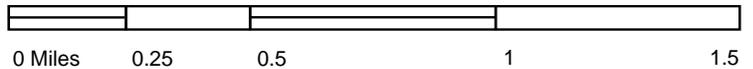
TP, Torrance, 1972, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
 Carson, CA 90745
CLIENT: Haley & Aldrich





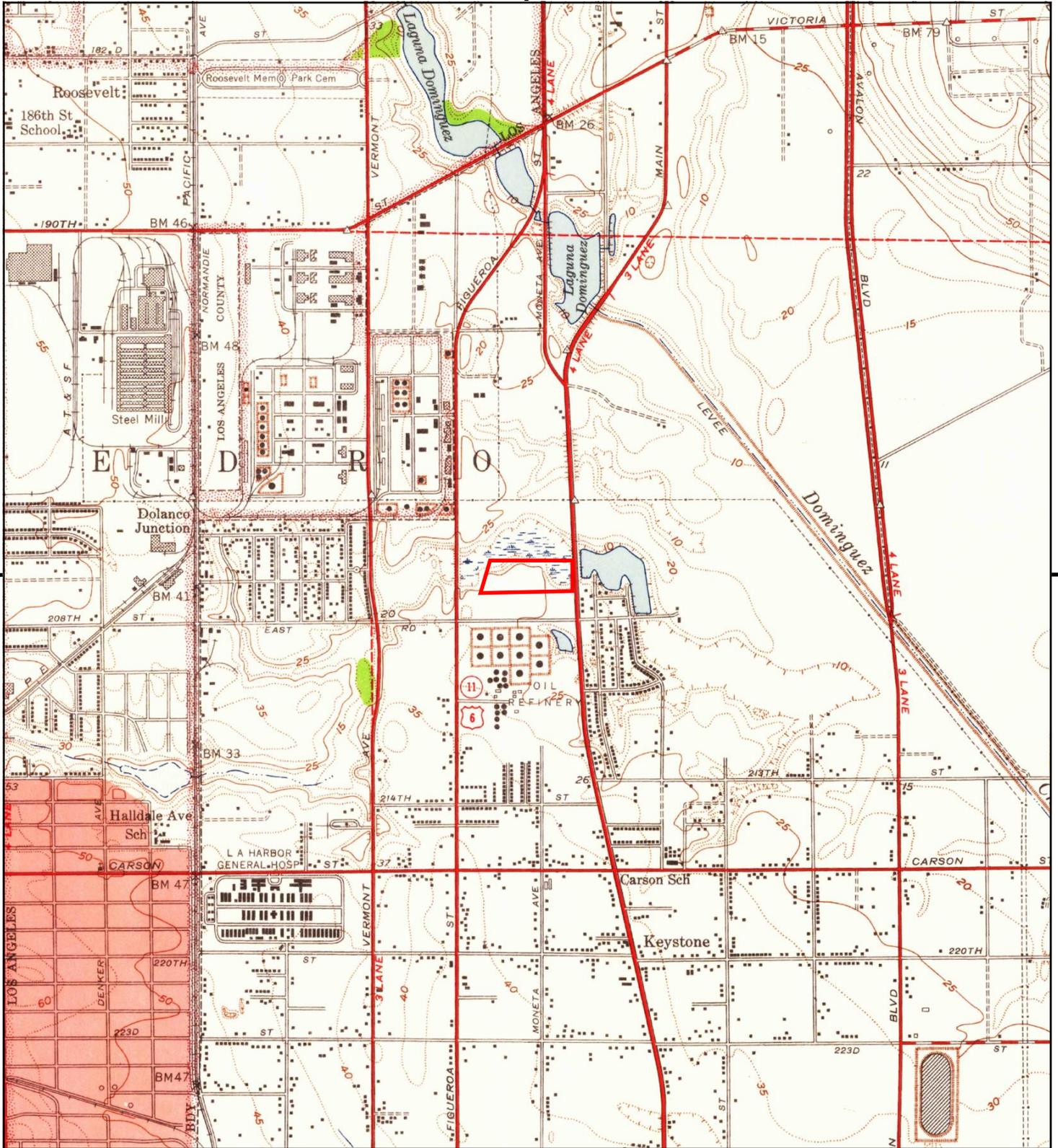
This report includes information from the following map sheet(s).



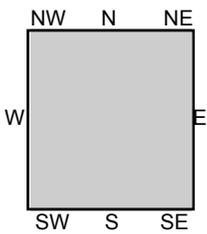
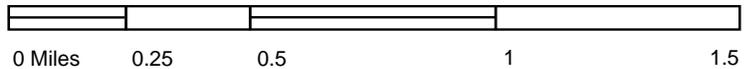
TP, Torrance, 1964, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
 Carson, CA 90745
CLIENT: Haley & Aldrich





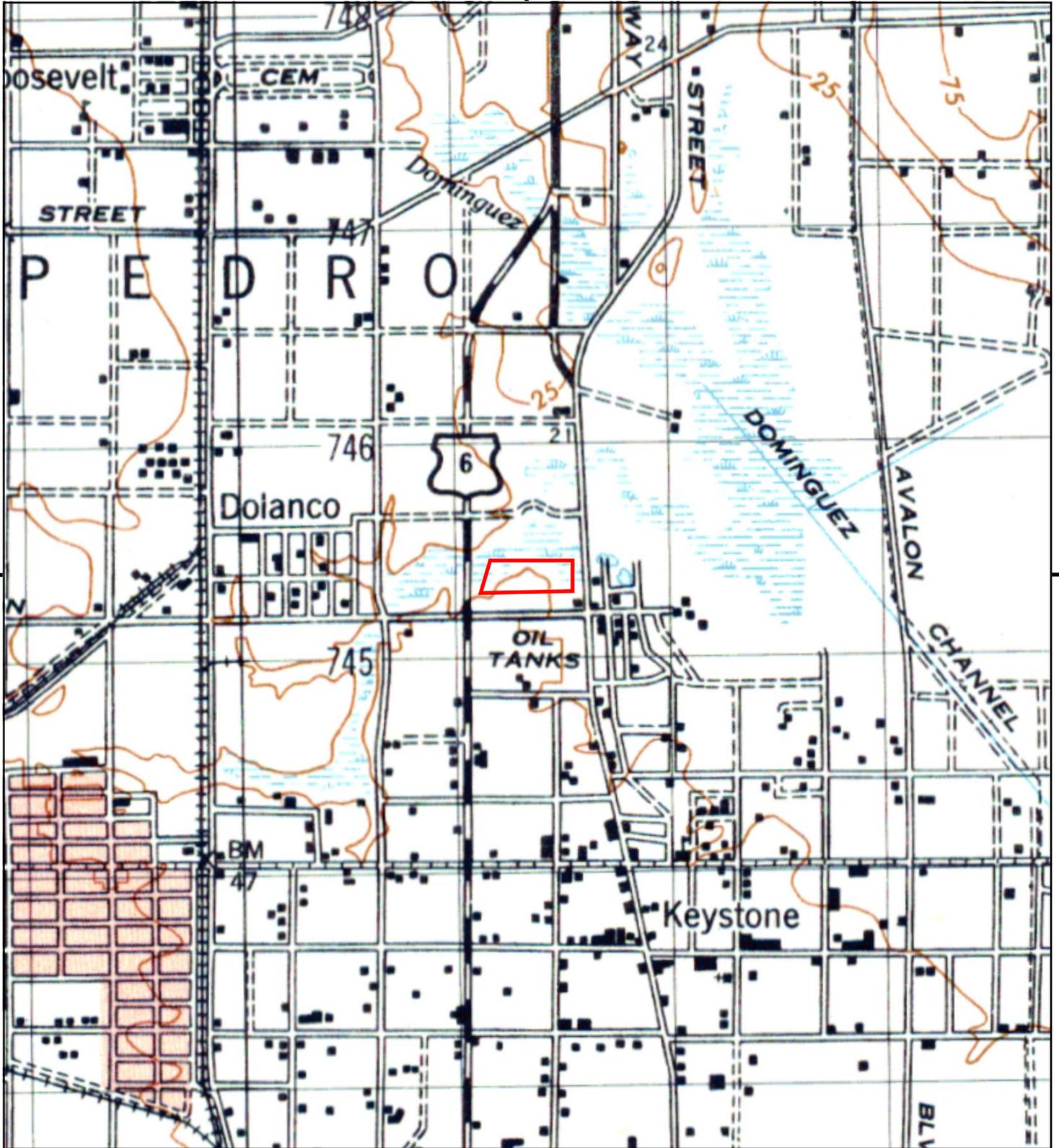
This report includes information from the following map sheet(s).



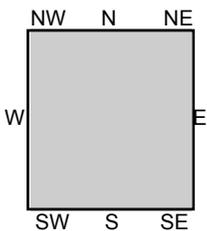
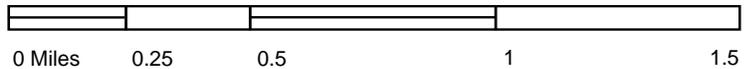
TP, Torrance, 1951, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
 Carson, CA 90745
CLIENT: Haley & Aldrich





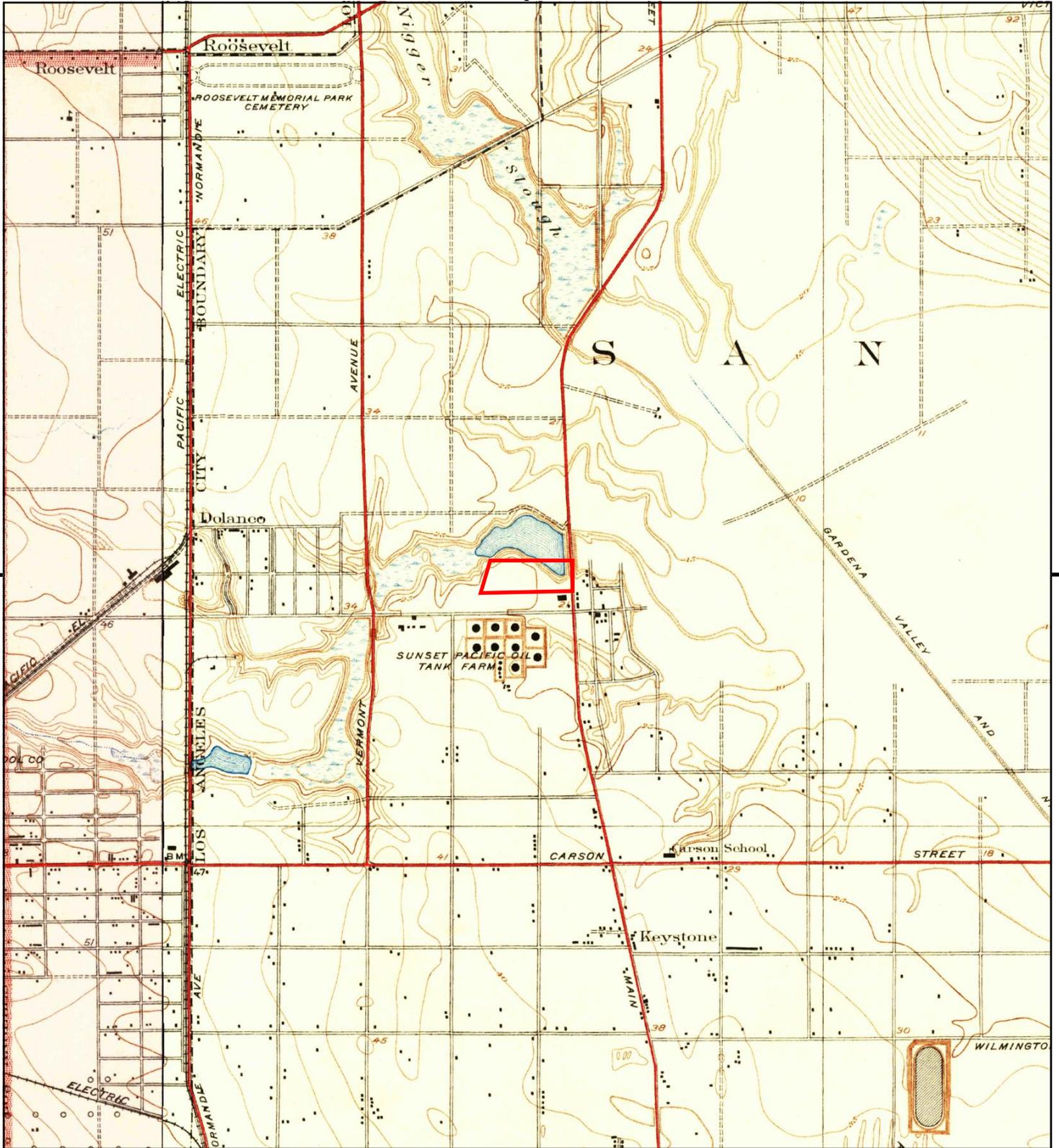
This report includes information from the following map sheet(s).



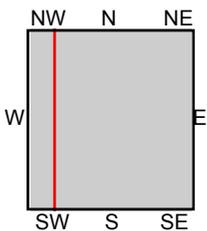
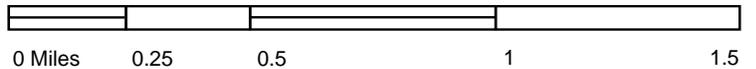
TP, REDONDO, 1948, 15-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
 ADDRESS: Main Street & Figueroa
 Carson, CA 90745
 CLIENT: Haley & Aldrich





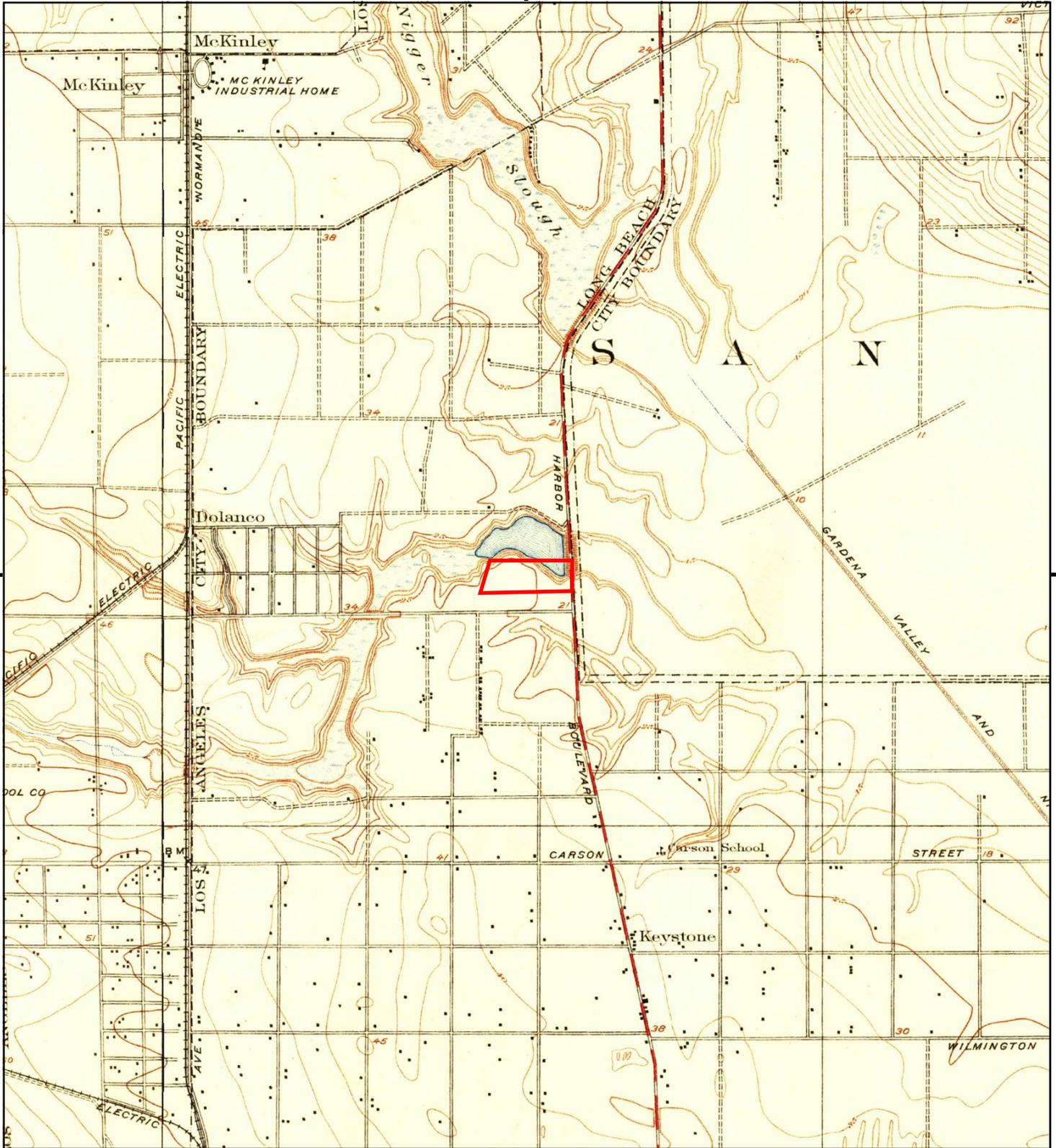
This report includes information from the following map sheet(s).



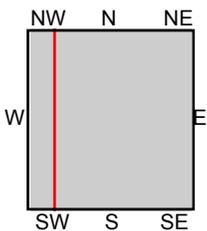
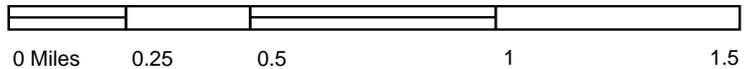
TP, Compton, 1930, 7.5-minute
W, Torrance, 1934, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
Carson, CA 90745
CLIENT: Haley & Aldrich





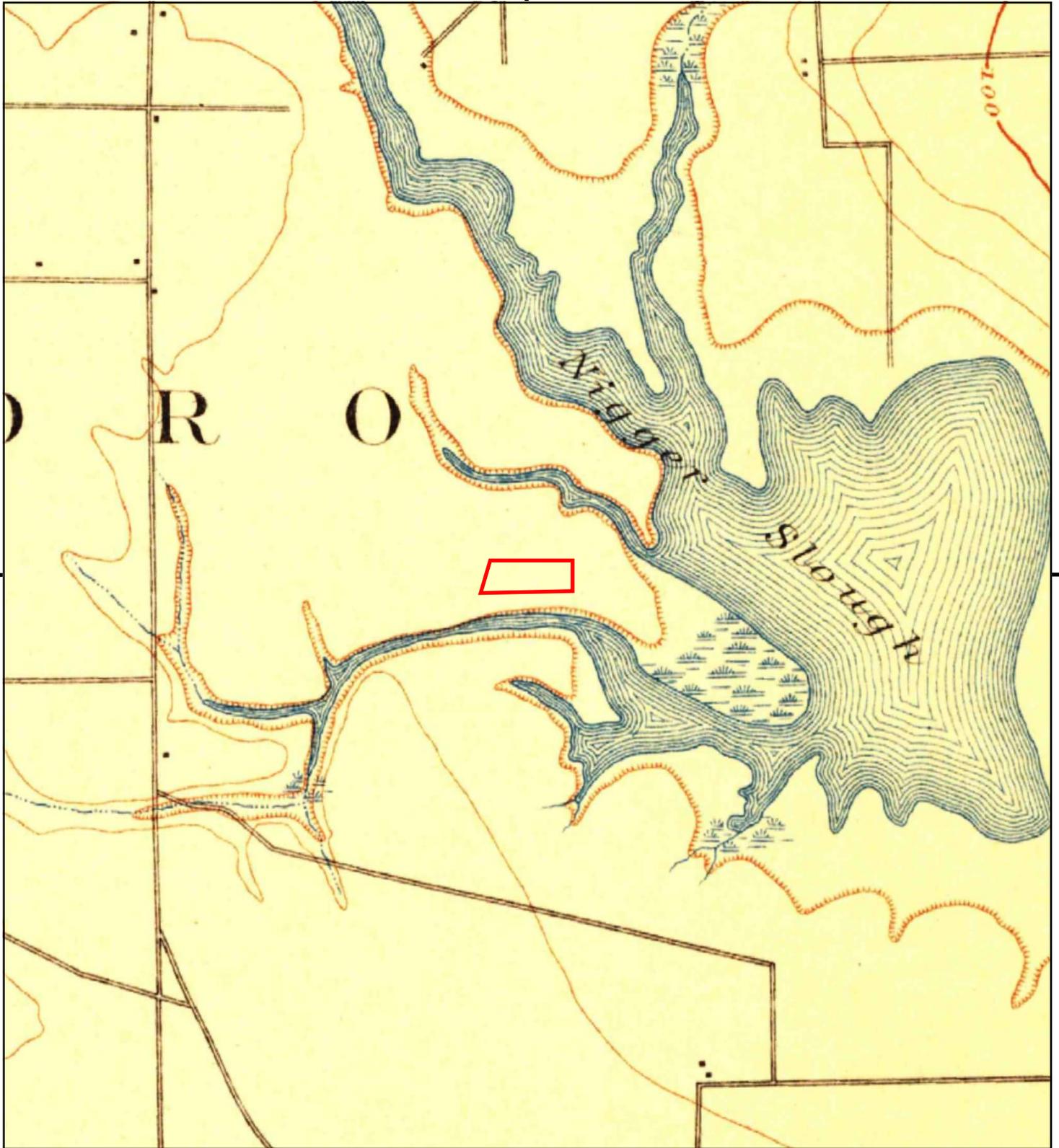
This report includes information from the following map sheet(s).



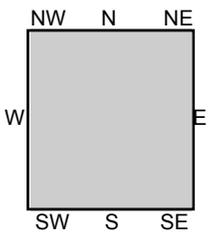
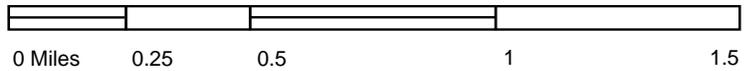
TP, Compton, 1924, 7.5-minute
W, Torrance, 1924, 7.5-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
Carson, CA 90745
CLIENT: Haley & Aldrich





This report includes information from the following map sheet(s).



TP, Redondo, 1896, 15-minute

SITE NAME: Gardena Valley 1 & 2 Landfill
ADDRESS: Main Street & Figueroa
Carson, CA 90745
CLIENT: Haley & Aldrich





Gardena Valley 1 & 2 Landfill

Main Street & Figueroa

Carson, CA 90745

Inquiry Number: 6333862.3

January 15, 2021

Certified Sanborn® Map Report



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/15/21

Site Name:

Gardena Valley 1 & 2 Landfill
Main Street & Figueroa
Carson, CA 90745
EDR Inquiry # 6333862.3

Client Name:

Haley & Aldrich
9040 Friars Rd.
San Diego, CA 92108
Contact: Keith Foster



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Certification # 5A98-4F40-959E
PO # 0200757-000
Project 0200757-000

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 5A98-4F40-959E

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- Library of Congress
- University Publications of America
- EDR Private Collection

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Gardena Valley 1 & 2 Landfill

Main Street & Figueroa
Carson, CA 90745

Inquiry Number: 6333862.5
January 15, 2021

The EDR-City Directory Abstract

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City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at 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 2015. 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.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Source</u> | <u>TP</u> | <u>Adjoining</u> | <u>Text Abstract</u> | <u>Source Image</u> |
|-------------|---------------------------|-----------|------------------|----------------------|---------------------|
| 2015 | Cole Information Services | - | X | X | - |
| 2009 | Cole Information Services | - | X | X | - |
| 2006 | Haines Company, Inc. | - | X | X | - |
| 2004 | Cole Information Services | - | X | X | - |
| | Haines Company | - | - | - | - |
| 2003 | Haines & Company | - | - | - | - |
| 2001 | Haines & Company, Inc. | - | X | X | - |
| 2000 | Pacific Bell Telephone | - | - | - | - |
| 1999 | Cole Information Services | - | X | X | - |
| | Haines Company | - | - | - | - |
| 1996 | GTE | - | - | - | - |
| 1995 | Pacific Bell | - | X | X | - |

EXECUTIVE SUMMARY

| <u>Year</u> | <u>Source</u> | <u>TP</u> | <u>Adjoining</u> | <u>Text Abstract</u> | <u>Source Image</u> |
|-------------|--|-----------|------------------|----------------------|---------------------|
| 1994 | Cole Information Services | - | X | X | - |
| 1992 | PACIFIC BELL WHITE PAGES | - | - | - | - |
| 1991 | Pacific Bell | - | - | - | - |
| 1990 | Pacific Bell | - | X | X | - |
| 1986 | Pacific Bell | - | X | X | - |
| 1985 | Pacific Bell | - | X | X | - |
| 1981 | Pacific Telephone | - | X | X | - |
| 1980 | Pacific Telephone | - | X | X | - |
| 1976 | Pacific Telephone | - | X | X | - |
| 1975 | Pacific Telephone | - | X | X | - |
| 1972 | R. L. Polk & Co. | - | - | - | - |
| 1971 | R. L. Polk & Co. | - | - | - | - |
| 1970 | Pacific Telephone | - | X | X | - |
| 1969 | Pacific Telephone | - | - | - | - |
| 1967 | R. L. Polk & Co. | - | - | - | - |
| 1966 | Pacific Telephone | - | - | - | - |
| 1965 | GTE | - | - | - | - |
| 1964 | Pacific Telephone | - | - | - | - |
| 1963 | Pacific Telephone | - | - | - | - |
| 1962 | Pacific Telephone | - | - | - | - |
| 1961 | R. L. Polk & Co. | - | - | - | - |
| 1960 | Pacific Telephone | - | - | - | - |
| 1958 | Pacific Telephone | - | - | - | - |
| 1957 | Pacific Telephone | - | - | - | - |
| 1956 | Pacific Telephone | - | - | - | - |
| 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 | Los Angeles Directory Co. | - | - | - | - |
| 1939 | Los Angeles Directory Co. | - | - | - | - |
| 1938 | Los Angeles Directory Company Publishers | - | - | - | - |
| 1937 | Los Angeles Directory Co. | - | - | - | - |
| 1936 | Los Angeles Directory Co. | - | - | - | - |

EXECUTIVE SUMMARY

| <u>Year</u> | <u>Source</u> | <u>TP</u> | <u>Adjoining</u> | <u>Text Abstract</u> | <u>Source Image</u> |
|-------------|---|-----------|------------------|----------------------|---------------------|
| 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. | - | - | - | - |

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Main Street & Figueroa
Carson, CA 90745

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

CARSON TOWN CTR

500 CARSON TOWN CTR

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-------------|------------------------|
| 2001 | BORICS | Haines & Company, Inc. |

FIGUEROA ST

20700 FIGUEROA ST

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-----------------------|-----------------------|
| 1946 | PROCESS EQUIPMENT CO- | Western Directory Co. |

S FIGUEROA ST

20650 S FIGUEROA ST

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-------------|------------------------|
| 2001 | BURGER KING | Haines & Company, Inc. |

20700 S FIGUEROA ST

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|----------------------|-------------------|
| 1950 | PROCESS CONST CO INC | Pacific Telephone |

TORRANCE BLVD W

225 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|------------------------------------|---------------|
| 1995 | C MISSION EBEN-EZER | Pacific Bell |
| 1990 | GREAT WESTERN INDUSTRIAL REALTY CO | Pacific Bell |
| | A MISSION EBEN-EZER | Pacific Bell |
| | SOUTH BAY CASH REGISTER | Pacific Bell |
| | F CHRISTS COMMUNITY CHURCH | Pacific Bell |
| | ESP GRAPHICS INC | Pacific Bell |

255 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|------------------|---------------|
| 1995 | A KAY DE IMPORTS | Pacific Bell |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--------------------------|---------------|
| 1995 | B FAITH IN CHRIST CHURCH | Pacific Bell |
| 1990 | SIMMS CUSTOM CABINETS | Pacific Bell |
| | ROCKWELL ENTERPRISES INC | Pacific Bell |

305 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|------------------------------|---------------|
| 1995 | B SUMI OFC SERVICES | Pacific Bell |
| | A ACE PARTY RENTS | Pacific Bell |
| | D CONSTRUCTION PRODUCTS CORP | Pacific Bell |
| 1990 | D CONSTRUCTION PRODUCTS CORP | Pacific Bell |
| | I M B ACADEMY | Pacific Bell |
| | PRINTING IMPRESSIONS | Pacific Bell |

315 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|------------------------|---------------|
| 1995 | B RICKARD ELECTRIC INC | Pacific Bell |
| 1990 | COMPLETES PLUS | Pacific Bell |

321 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--------------------------------|---------------|
| 1995 | APPLIED CONTROLS & ENGINEERING | Pacific Bell |
| 1990 | RICKARD ELECTRIC INC | Pacific Bell |
| | APPLIED CONTROLS & ENGINEERING | Pacific Bell |

329 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--------------------------------|---------------|
| 1995 | INDEPENDENT ELECTRIC SUPPLY | Pacific Bell |
| | INDEPENDENT ELECTRIC SUPPLY CO | Pacific Bell |
| 1990 | CENTURY WHOLE SALE ELECTRIC CO | Pacific Bell |

405 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--------------------------------|---------------|
| 1995 | REI-RECREATIONAL EQUIPMENT INC | Pacific Bell |
| 1990 | RECREATIONAL EQUIP INC | Pacific Bell |

415 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-----------------------------|---------------|
| 1995 | HIS CUTTING EDGE | Pacific Bell |
| | COMMUNITY CRISIS HOTLINE | Pacific Bell |
| | CALVARY CHAPEL OF SOUTH BAY | Pacific Bell |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-----------------------------|---------------|
| 1990 | CALVARY CHAPEL OF SOUTH BAY | Pacific Bell |

425 TORRANCE BLVD W

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---|---------------|
| 1995 | C FURNITURE AT WHOLESALE | Pacific Bell |
| 1990 | FRIEDMAN FURNITURE CO | Pacific Bell |
| | A FIRST SAMOAN CONGREGATIONAL CHRISTIAN CHURCH | Pacific Bell |

W TORRANCE BLVD

210 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-------------------------|-------------------|
| 1970 | MENDELL MILDRED L GIFTS | Pacific Telephone |

215 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-------------|------------------------|
| 2001 | XXXX | Haines & Company, Inc. |

225 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--|---------------------------|
| 2015 | GLORY CHRISTIAN FELLOWSHIP INTERNATI | Cole Information Services |
| 2009 | YOUNG LIFE | Cole Information Services |
| | GLORY CHRISTN FELLOWSHIP INTL | Cole Information Services |
| | BRIDGES COMMUNITY ECONOMIC DEV CORP | Cole Information Services |
| 2006 | FLLWSHP INTL | Haines Company, Inc. |
| | GLORY CHRISTIAN | Haines Company, Inc. |
| 2001 | GLORYCHRISTIAN | Haines & Company, Inc. |
| 1995 | Mission Eben Ezer | Pacific Bell |
| 1994 | MISION EBEN EZER | Cole Information Services |
| 1990 | GREAT WESTERN INDUSTRIAL REALTY CO CARSON | Pacific Bell |
| 1986 | GREAT WESTERN INDUSTRIAL REALTY CO CARSON | Pacific Bell |
| 1985 | SOUTH BAY CASH REGISTER | Pacific Bell |
| | MISION EBEN-EZER | Pacific Bell |
| | HUGIN CASH REGISTERS INC | Pacific Bell |
| | GREAT WESTERN INDUSTRIAL REALTY CO | Pacific Bell |
| | GRANCELL ALVIN | Pacific Bell |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---|-------------------|
| 1985 | CHRISTS COMMUNITY CHURCH | Pacific Bell |
| 1981 | GREAT WESTERN INDUSTRIAL REALTY CO CARSON | Pacific Telephone |
| 1980 | HUGIN CASH REGISTERS INC | Pacific Telephone |
| | GREAT WESTERN INDUSTRIAL REALTY CO | Pacific Telephone |
| | GRANCELL ALVIN | Pacific Telephone |
| | CHRIST COMMUNITY CHURCH | Pacific Telephone |
| | CARSON LOS CABALLEROS | Pacific Telephone |
| | Great Western Industrial Realty Co | Pacific Telephone |
| 1975 | INTERNATIONAL TRADE AND MARKETING CORP | Pacific Telephone |

255 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---------------------------------|---------------------------|
| 2015 | FAITH IN CHRIST CHURCH | Cole Information Services |
| 2009 | FAITH IN CHRIST CHURCH | Cole Information Services |
| 2006 | FAITH IN CHRIST CH | Haines Company, Inc. |
| 2004 | OCCUPANT UNKNOWN | Cole Information Services |
| 2001 | FAITHINCHRISTCH | Haines & Company, Inc. |
| 1999 | FAITH IN CHRIST CHURCH | Cole Information Services |
| | KAY DEIMPORTS | Cole Information Services |
| 1995 | Faith In Christ Church | Pacific Bell |
| 1994 | FAITH IN CHRIST CH | Cole Information Services |
| | SIMMS CUSTOM CABINETS | Cole Information Services |
| 1990 | ROCKWELL ENTERPRISES INC CARSON | Pacific Bell |
| 1986 | ROCKWELL ENTERPRISES INC CARSON | Pacific Bell |
| 1985 | TOOL TECH | Pacific Bell |
| | SIMMS CUSTOM CABINETS | Pacific Bell |
| | ROCKWELL ENTERPRISES INC | Pacific Bell |
| | AUTOMATIC INDUSTRIES | Pacific Bell |
| 1981 | ROCKWELL ENTERPRISES INC CARSON | Pacific Telephone |
| 1980 | AAA MAP VENDING & LEASING CORP | Pacific Telephone |
| 1976 | ROCKWELL ENTERPRISES INC | Pacific Telephone |

304 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|----------------------------|---------------------------|
| 2015 | CONSTRUCTION PRODUCTS CORP | Cole Information Services |

FINDINGS

305 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---|---------------------------|
| 2015 | BRIDGE ECONOMIC DEVELOPMENT CORP | Cole Information Services |
| | INTERNATIONAL INSTITUTE OF TOLERANCE | Cole Information Services |
| | ACE PARTY RENTS | Cole Information Services |
| 2009 | ACE PARTY RENTS | Cole Information Services |
| | HILO FOUNDATION | Cole Information Services |
| | ROBERT R CHAPMAN VENTURES INC | Cole Information Services |
| | CONSTRUCTION PRODUCTS CORP | Cole Information Services |
| | HAWAIIAN ISLAND LIB ORGANIZATION | Cole Information Services |
| 2006 | PRODUCTS CORP KAIOANNETTE | Haines Company, Inc. |
| | CONSTRN | Haines Company, Inc. |
| | ACEPARTYRENTS | Haines Company, Inc. |
| | ACE PARTY RENTS | Haines Company, Inc. |
| 2004 | A ACE PARTY RENTS INC | Cole Information Services |
| | CONSTRUCTION PRODUCTS CORP | Cole Information Services |
| 2001 | XXXX | Haines & Company, Inc. |
| | ACE PARTY RENTS | Haines & Company, Inc. |
| 1999 | ACE PARTY RENTS | Cole Information Services |
| | SUMI OFFICE SERVICES | Cole Information Services |
| | CONSTRUCTION PRODUCTS CORPORATION | Cole Information Services |
| 1995 | I M B Academy | Pacific Bell |
| 1994 | CONSTRUCTION PRODUCTS CORP | Cole Information Services |
| | IMB ACADEMY | Cole Information Services |
| | IWATE PRINTING SVC | Cole Information Services |
| | LEN DAVIS LITHO PREP | Cole Information Services |
| 1990 | CONSTRUCTION PRODUCTS CORP CARSON | Pacific Bell |
| 1986 | CONSTRUCTION PRODUCTS CORP CARSON | Pacific Bell |
| 1985 | I M B ACADEMY | Pacific Bell |
| | CONSTRUCTION PRODUCTS CO CARSON | Pacific Bell |
| | CONSTRUCTION PRODUCTS CO CARSON | Pacific Bell |
| | CONSTRUCTION PRODUCTS CORP | Pacific Bell |
| | E & G MANAGEMENT | Pacific Bell |
| 1981 | CONSTRUCTION PRODUCTS CO CARSON | Pacific Telephone |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--------------------------|-------------------|
| 1980 | BLACK WIDOW TRACKS | Pacific Telephone |
| | CONSTRUCTION PRODUCTS CO | Pacific Telephone |
| | GYMNASTIC MOVEMENT THE | Pacific Telephone |
| 1976 | Speizman Industries | Pacific Telephone |

315 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--|--|
| 2015 | INTERNATL PRINTING MUSEUM | Cole Information Services |
| 2009 | PHOTO RESEARCH | Cole Information Services |
| 2006 | INTERNATL PRINTING MUSEUM PRINTING MUSEUM | Haines Company, Inc. Haines Company, Inc. |
| 2004 | INTERNATIONAL PRINTING MUSEUM OCCUPANT UNKNOWN | Cole Information Services Cole Information Services |
| 2001 | INTL PRINTING | Haines & Company, Inc. |
| 1999 | RICKARD ELECTRIC INCORPORATED RICHARD ELECTRIC INCORPORATED | Cole Information Services Cole Information Services |
| 1995 | Completes Plus Rickard Electric Inc | Pacific Bell Pacific Bell |
| 1994 | RICKARD ELECTRIC INC COMPLETES PLUS | Cole Information Services Cole Information Services |
| 1985 | AIRPORT PAINT & SILKSCREEN | Pacific Bell |
| 1980 | HERMOSA HOT TUBS INTER-TRADE INC | Pacific Telephone Pacific Telephone |

321 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---|--|
| 2015 | INDUSTRIAL PRECISION GRINDING | Cole Information Services |
| 2006 | EXPOMARKETING | Haines Company, Inc. |
| 2004 | MOUNTAIN SATELLITES EXPO MARKETING INC | Cole Information Services Cole Information Services |
| 2001 | EXPOMARKETINGINC | Haines & Company, Inc. |
| 1999 | APPLIED CONTROLS & ENGINEERING EXPO MARKETING INCORPORATED | Cole Information Services Cole Information Services |
| 1995 | Applied Controls & Engineering | Pacific Bell |
| 1994 | APPLIED CONTROLS & ENGINEERING | Cole Information Services |
| 1990 | APPLIED CONTROLS & ENGINEERING CARSON | Pacific Bell |
| 1986 | APPLIED CONTROLS & ENGINEERING CARSON | Pacific Bell |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--|-------------------|
| 1985 | APPLIED CONTROLS & ENGINEERING | Pacific Bell |
| | RICKARD ELECTRIC INC | Pacific Bell |
| 1981 | APPLIED CONTROLS & ENGINEERING CARSON | Pacific Telephone |
| 1980 | APPLIED CONTROLS & ENGINEERING | Pacific Telephone |

329 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---|---------------------------|
| 2015 | INDEPENDENT ELECTRIC SUPPLY | Cole Information Services |
| 2009 | MOUNTAIN SATELLITES | Cole Information Services |
| | INDEPENDENT ELECTRIC SUPPLY CO | Cole Information Services |
| 2006 | SUPPLYCO | Haines Company, Inc. |
| | SUPPLY CO INDEP ELECTRIC | Haines Company, Inc. |
| | SUPPLY INDEP ELECTRIC | Haines Company, Inc. |
| | INDEP ELECTRIC | Haines Company, Inc. |
| 2004 | INDEPENDENT ELECTRIC SUPPLY INC | Cole Information Services |
| 2001 | INDEP ELECTRICSPLY | Haines & Company, Inc. |
| 1999 | INDEPENDENT ELECTRIC SUPPLY | Cole Information Services |
| | INDEPENDENT ELECTRIC SUPPLY COMPANY | Cole Information Services |
| | INDEPENDENT ELECTRIC SUPPLY COMPANY | Cole Information Services |
| 1995 | Century Wholesale Electric Co | Pacific Bell |
| 1994 | CENTURY WHSL ELEC | Cole Information Services |
| | CENTURY WHOLESALE ELECTRIC CO | Cole Information Services |
| 1990 | CENTURY WHOLESALE ELECTRIC CO CARSON | Pacific Bell |
| 1986 | CENTURY WHOLESALE ELECTRIC CO CARSON | Pacific Bell |
| 1985 | CENTURY WHOLESALE ELECTRIC CO | Pacific Bell |
| 1981 | CENTURY WHOLESALE ELECTRIC CO CARSON | Pacific Telephone |
| 1980 | CENTURY WHOLESALE ELECTRIC CO | Pacific Telephone |
| 1976 | Century Wholesale Electric Co | Pacific Telephone |
| 1975 | CENTURY WHOLESALE ELECTRIC CO | Pacific Telephone |

405 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--|---------------------------|
| 2004 | ROYAL AUCTIONEERS | Cole Information Services |
| 2001 | XXXX | Haines & Company, Inc. |
| 1999 | REI RECREATIONAL EQUIPMENT INCORPORATED | Cole Information Services |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-------------------------------------|---------------------------|
| 1999 | RECREATIONAL EQUIPMENT INCORPORATED | Cole Information Services |
| 1995 | Recreational Equipment Inc | Pacific Bell |
| | REI Recreational Equipment Inc | Pacific Bell |
| 1994 | RECREATION EQUIPMENT INC | Cole Information Services |
| 1990 | REI | Pacific Bell |
| 1986 | REI ORANGE | Pacific Bell |
| 1985 | RECREATIONAL EQUIP INC | Pacific Bell |
| | REI | Pacific Bell |
| | REI BACKPACKING EQUIP | Pacific Bell |
| | REI | Pacific Bell |
| 1980 | CASUAL LIVING | Pacific Telephone |
| | BUDGET FURNITURE RENTAL | Pacific Telephone |
| | R E I CO OP | Pacific Telephone |
| 1975 | EL CAMINO BUSINESS INDUSTRIAL PARK | Pacific Telephone |

415 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|------------------------------------|---------------------------|
| 2015 | MISSION EBENEZER | Cole Information Services |
| 2009 | MISION EBENEZER FAMILY CHURCH | Cole Information Services |
| 2006 | MISSIONEBEN | Haines Company, Inc. |
| 2004 | MISSION EBEN EZER FAMILY CHRCH INC | Cole Information Services |
| | OCCUPANT UNKNOWN | Cole Information Services |
| 2001 | MISSIONEBen Ezer | Haines & Company, Inc. |
| 1999 | MISSION EBEN EZER | Cole Information Services |
| | HIS CUTTING EDGE | Cole Information Services |
| 1995 | Calvary Chapel Of South Bay | Pacific Bell |
| | His Cutting Edge | Pacific Bell |
| | Community Crisis Hotline | Pacific Bell |
| 1994 | HIS CUTTING EDGE | Cole Information Services |
| | CALVARY CHAPEL OF SOUTH BAY | Cole Information Services |
| | COMNTY CRISIS HTLN | Cole Information Services |
| 1985 | CALVARY CHAPEL OF SOUTH BAY | Pacific Bell |
| 1980 | CALVARY CHAPEL OF SOUTH BAY | Pacific Telephone |

425 W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|-------------|----------------------|
| 2006 | FURNITUREAT | Haines Company, Inc. |

FINDINGS

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---------------------------------------|---------------------------|
| 2004 | KB TOY OF CALIFORNIA INC | Cole Information Services |
| | FURNITURE AT WHOLESAL | Cole Information Services |
| 2001 | FURNITUREATWHSL | Haines & Company, Inc. |
| 1999 | FURNITURE AT WHOLESAL | Cole Information Services |
| | AIRSEALAND SECURITY SERVICE | Cole Information Services |
| 1994 | INTERNATIONAL ASSN SECURITY | Cole Information Services |
| | ASL | Cole Information Services |
| | ASL AIR SEA LAND SECURITY SVC | Cole Information Services |
| 1990 | FRIEDMAN FURNITURE CO CARSON | Pacific Bell |
| 1986 | FRIEDMAN FURNITURE CO CARSON | Pacific Bell |
| 1985 | LEE S BARS N STOOLS N DINETTES | Pacific Bell |
| | FRIEDMAN FURNITURE CO | Pacific Bell |
| 1980 | COLTON PIANO & ORGAN SUPERMART CARSON | Pacific Telephone |
| | LEES BARS N STOOLS N DINETTES | Pacific Telephone |
| 1976 | Colton Piano & Organ Supermart | Pacific Telephone |
| 1975 | COLTON PIANO & ORGAN SUPERMART | Pacific Telephone |

217L W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|----------------------|---------------|
| 1985 | ROQUEMORE MICHAEL DC | Pacific Bell |

225D W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|---------------------------|-------------------|
| 1980 | LOS CABALLEROS YOUTH BAND | Pacific Telephone |

321B W TORRANCE BLVD

| <u>Year</u> | <u>Uses</u> | <u>Source</u> |
|-------------|--------------------------------------|-------------------|
| 1986 | HORIZON SAILS CARSON | Pacific Bell |
| 1985 | HORIZON SAILS | Pacific Bell |
| 1981 | PERFORMANCE PLUS CUSTOM SALES CARSON | Pacific Telephone |
| 1980 | PERFORMANCE PLUS CUSTOM SAILS | 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.

| <u>Address Researched</u> | <u>Address Not Identified in Research Source</u> |
|---------------------------|--|
| 20650 S FIGUEROA ST | 2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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 |
| 20700 FIGUEROA ST | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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 |
| 20700 S FIGUEROA ST | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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 |
| 210 W TORRANCE BLVD | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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 |
| 215 W TORRANCE BLVD | 2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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 |
| 217L W TORRANCE BLVD | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 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 |
| 225 TORRANCE BLVD W | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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 |
| 225 W TORRANCE BLVD | 2015, 2009, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1976, 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

| | |
|---------------------|--|
| 405 W TORRANCE BLVD | 2015, 2009, 2006, 2003, 2001, 2000, 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 |
| 415 TORRANCE BLVD W | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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 |
| 415 W TORRANCE BLVD | 2015, 2009, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1981, 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 |
| 415 W TORRANCE BLVD | 2006, 2003, 2001, 2000, 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 |
| 425 TORRANCE BLVD W | 2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 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 |
| 425 W TORRANCE BLVD | 2015, 2009, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1981, 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 |
| 425 W TORRANCE BLVD | 2015, 2009, 2006, 2003, 2001, 2000, 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 |
| 500 CARSON TOWN CTR | 2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 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 |

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

Main Street & Figueroa

Address Not Identified in Research Source

2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 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

APPENDIX D

Regulatory Records Documentation

Gardena Valley 1 & 2 Landfill

Main Street & Figueroa

Carson, CA 90745

Inquiry Number: 6333862.2s

January 19, 2021

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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| Map Findings Summary | 4 |
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| Orphan Summary | 980 |
| Government Records Searched/Data Currency Tracking | GR-1 |
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| Physical Setting Source Addendum | A-1 |
| Physical Setting Source Summary | A-2 |
| Physical Setting Source Map | A-11 |
| Physical Setting Source Map Findings | A-12 |
| Physical Setting Source Records Searched | PSGR-1 |

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (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

MAIN STREET & FIGUEROA
CARSON, CA 90745

COORDINATES

Latitude (North): 33.8438930 - 33° 50' 38.01"
Longitude (West): 118.2824680 - 118° 16' 56.88"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 381344.2
UTM Y (Meters): 3745393.0
Elevation: 26 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5633779 TORRANCE, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140513
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 MAIN STREET & FIGUEROA
 CARSON, CA 90745

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------|----------------------|----------------------|---|--------------------|----------------------------|
| A1 | GARDENA VALLEY LANDF | BTW DEL AMO TORRANCE | HIST CORTESE | | TP |
| A2 | GARDENA VALLEY LANDF | BTW DEL AMO,TORRANCE | ENVIROSTOR, VCP, HIST Cal-Sites, DEED | | TP |
| A3 | GARDENA VALLEY LANDF | BLOCK BOUNDED BY DEL | CA BOND EXP. PLAN | | TP |
| A4 | GARDENA VALLEY LANDF | BTW DEL AMO | FINDS | | TP |
| A5 | GARDENA VALLEY LANDF | MAIN ST & FIGUEROA | SEMS-ARCHIVE | | TP |
| Reg | DEL AMO | DEL AMO BLVD AND VER | NPL, SEMS, US ENG CONTROLS, US INST CONTROLS,... | Same | 1853, 0.351, NNW |
| Reg | MONTROSE CHEMICAL CO | 20201 S NORMANDIE AV | NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST... | Same | 17, 0.003, North |
| B6 | PROCESS CONSTR CO IN | 20700 S FIGUEROA ST | LOS ANGELES CO. HMS | Higher | 1 ft. |
| B7 | GARDENA VALLEY 1 & 2 | 20740 S. FIGUEROA, 2 | SWF/LF, CERS | Higher | 1 ft. |
| B8 | GARDENA VALLEY 1 & 2 | 20740 S. FIGUEROA, 2 | RGA LF | Higher | 1 ft. |
| C9 | AMERICAN ENVIRONMENT | 20600 SOUTH MAIN STR | RCRA NonGen / NLR, FINDS, ECHO | Lower | 132, 0.025, East |
| C10 | VISTA DEL AMO MOBILE | 20600 S. MAIN ST. | SWF/LF, CERS, LOS ANGELES CO LF METHANE | Lower | 132, 0.025, East |
| D11 | 405 W. TORRANCE BLVD | 405 W. TORRANCE BLVD | US BROWNFIELDS, FINDS | Higher | 177, 0.034, SW |
| E12 | 315 TORRANCE BLVD. | 315 TORRANCE BLVD. | US BROWNFIELDS, FINDS | Higher | 198, 0.038, South |
| E13 | CITY OF CARSON - HIC | 315 TORRANCE | CPS-SLIC, CERS | Higher | 198, 0.038, South |
| 14 | 20740 FIGUEROA ST. | 20740 FIGUEROA ST. | US BROWNFIELDS, FINDS | Higher | 241, 0.046, WSW |
| 15 | 20500 FIGUEROA ST./2 | 20500 FIGUEROA ST./2 | US BROWNFIELDS, FINDS | Higher | 259, 0.049, NW |
| F16 | ULTRASONIC CLEANING | 20730 S MAIN ST | CERS HAZ WASTE, CERS | Lower | 306, 0.058, ESE |
| F17 | ULTRASONIC CLEANING | 20730 MAIN ST | RCRA NonGen / NLR | Lower | 306, 0.058, ESE |
| G18 | REBEL MINI STORAGE | 20501 S. MAIN STREET | ENVIROSTOR, VCP, DEED | Lower | 336, 0.064, NNE |
| G19 | CITY OF CARSON - REB | 20501 MAIN | CPS-SLIC, CERS | Lower | 336, 0.064, NNE |
| G20 | STORAGE ETC | 20501 S MAIN ST | RCRA NonGen / NLR | Lower | 336, 0.064, NNE |
| E21 | 329 TORRANCE BLVD. | 329 TORRANCE BLVD. | US BROWNFIELDS, FINDS | Higher | 342, 0.065, South |
| E22 | CITY OF CARSON - HUR | 329 TORRANCE | CPS-SLIC, CERS | Higher | 342, 0.065, South |
| H23 | GARDENA VALLEY DUMPS | 225 W TORRANCE BLVD | ENVIROSTOR, VCP, LOS ANGELES CO. HMS | Higher | 342, 0.065, SSE |
| E24 | CITY OF CARSON - HIC | 321 TORRANCE | CPS-SLIC, CERS | Higher | 359, 0.068, South |
| D25 | GARDENA VALLEY #1 & | 415 - 425 WEST TORRA | SWF/LF, LOS ANGELES CO LF METHANE | Higher | 387, 0.073, SW |
| F26 | GARDENA VALLEY NO. 1 | 101 WEST TORRANCE BO | WMUDS/SWAT | Higher | 394, 0.075, SE |
| H27 | BERADA CORPORATION-G | 100 WEST TORRANCE BO | WMUDS/SWAT | Higher | 404, 0.077, SE |
| F28 | GARDENA VALLEY DUMP | 100 W TORRANCE BLVD | SEMS-ARCHIVE, LOS ANGELES CO. HMS | Higher | 433, 0.082, SE |
| I29 | WERDIN DUMP | 20420 S MAIN ST | SEMS-ARCHIVE, LOS ANGELES CO. HMS | Higher | 576, 0.109, NE |
| 30 | ROLLINS LEASING CORP | 20425 HAMILTON | HIST CORTESE | Higher | 615, 0.116, WNW |
| I31 | WERDIN DUMP | 20402 MAIN | HIST CORTESE | Higher | 695, 0.132, NE |
| I32 | WERDIN DUMP | 20402 S MAIN ST | ENVIROSTOR | Higher | 695, 0.132, NE |
| I33 | WERDIN SITE-CARSON | 20400 SOUTH MAIN | WMUDS/SWAT | Higher | 709, 0.134, NE |
| I34 | CAL COMPACT LANDFILL | 20400 MAIN | RESPONSE, ENVIROSTOR, SWF/LF, LDS, Cortese, HIST... | Higher | 709, 0.134, NE |
| I35 | CAL COMPACT LANDFILL | 20400 MAIN ST | RCRA-SQG | Higher | 709, 0.134, NE |
| I36 | CAL COMPACT LF / MET | 20400 MAIN ST | HIST Cal-Sites, CERS HAZ WASTE, CERS TANKS,... | Higher | 709, 0.134, NE |
| I37 | HAYWARD BAKER | 20400 MAIN STREET | RCRA NonGen / NLR | Higher | 709, 0.134, NE |

MAPPED SITES SUMMARY

Target Property Address:
 MAIN STREET & FIGUEROA
 CARSON, CA 90745

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------|----------------------|----------------------|--|--------------------|----------------------------|
| J38 | CITY OF CARSON - TDJ | 20300 FIGUEROA | SWF/LF, CPS-SLIC, CERS | Higher | 749, 0.142, NNW |
| J39 | CITY OF CARSON - THK | 20350 FIGUEROA | CPS-SLIC | Higher | 781, 0.148, NNW |
| K40 | GS NURSERY | 20331 MAIN STREET | ENVIROSTOR, SWF/LF, VCP, LIENS, CERS | Lower | 788, 0.149, North |
| K41 | 20331 MAIN ST. | 20331 MAIN ST. | US BROWNFIELDS, FINDS | Lower | 788, 0.149, North |
| L42 | EXXON SERV STATION 3 | 701 W TORRANCE BLVD | SWEEPS UST, CA FID UST | Higher | 800, 0.152, WSW |
| L43 | ALPINE SHELL | 701 TORRANCE BLVD # | LUST, CERS HAZ WASTE, HIST UST, CERS TANKS,... | Higher | 800, 0.152, WSW |
| L44 | PROPEL FUELS (207013 | 701 TORRANCE BLVD | RCRA NonGen / NLR | Higher | 800, 0.152, WSW |
| L45 | PROPEL FUELS, INC. (| 701 TORRANCE BLVD ST | UST | Higher | 800, 0.152, WSW |
| L46 | WON TAE LEE EXXON | 701 W TORRANCE | HIST UST, HAZNET, HWTS | Higher | 800, 0.152, WSW |
| L47 | ALPINE TEXACO (FORME | 701 TORRANCE BLVD W | LUST, Cortese, CERS | Higher | 800, 0.152, WSW |
| M48 | ENI OIL & GAS, INC. | 306 WEST TORRANCE BL | SWF/LF, HAZNET, CERS, LOS ANGELES CO LF METHANE,... | Higher | 806, 0.153, South |
| M49 | ENI OIL & GAS INC | 306 W TORRANCE BLVD | RCRA NonGen / NLR | Higher | 806, 0.153, South |
| J50 | CITY OF CARSON - THK | 20350 S. FIGUEROA ST | CPS-SLIC, CERS | Higher | 835, 0.158, NNW |
| 51 | GAN AUTO REPAIR | 20840 S MAIN ST | RCRA NonGen / NLR | Lower | 859, 0.163, SE |
| N52 | FLOOR AND DECOR #201 | 500 CARSON TOWN CENT | RCRA NonGen / NLR | Higher | 894, 0.169, SSW |
| N53 | KMART 4987 | 500 CARSON TOWN CTR | RCRA-VSQG, FINDS, ECHO | Higher | 894, 0.169, SSW |
| O54 | MATLACK, INC | 20425 HAMILTON AVE | HIST UST | Higher | 925, 0.175, WNW |
| O55 | PENSKE TRUCK LEASING | 20425 SOUTH HAMILTON | RCRA NonGen / NLR, FINDS, ECHO | Higher | 925, 0.175, WNW |
| O56 | PENSKE TRUCK LEASING | 20425 S HAMILTON AVE | AST | Higher | 925, 0.175, WNW |
| O57 | PENSKE TRUCK LEASING | 20425 S HAMILTON AVE | UST | Higher | 925, 0.175, WNW |
| O58 | PENSKE TRUCK LEASING | 20425 S HAMILTON AVE | CERS HAZ WASTE, CERS TANKS, CERS | Higher | 925, 0.175, WNW |
| O59 | PENSKE TRUCK LEASING | 20425 SOUTH HAMILTON | RCRA NonGen / NLR | Higher | 925, 0.175, WNW |
| O60 | ROLLINS LEASING CORP | 20425 HAMILTON AVE | UST | Higher | 925, 0.175, WNW |
| O61 | | 20425 S HAMILTON AVE | AST | Higher | 925, 0.175, WNW |
| O62 | PENSKE TRUCK LEASING | 20425 S HAMILTON AVE | RCRA NonGen / NLR, LOS ANGELES CO. HMS | Higher | 925, 0.175, WNW |
| O63 | ROLLINS LEASING CORP | 20425 HAMILTON AVE | LUST, Cortese, CERS | Higher | 925, 0.175, WNW |
| O64 | ROLLINS LEASING CORP | 20425 S HAMILTON AVE | HIST UST, RCRA NonGen / NLR, FINDS, ECHO, HAZNET,... | Higher | 925, 0.175, WNW |
| O65 | MATLOCK, MC | 20425 HAMILTON AVE | LUST, HIST UST, CIWQS | Higher | 925, 0.175, WNW |
| O66 | BRITE SOL CLEANING D | 20425 S HAMILTON AVE | RCRA NonGen / NLR | Higher | 925, 0.175, WNW |
| 67 | 225 TORRANCE BLVD. | 225 TORRANCE BLVD. | US BROWNFIELDS, FINDS | Lower | 973, 0.184, ESE |
| 68 | PETER FREDERIKSEN | 714 GREENHEDGE STREE | RCRA NonGen / NLR | Higher | 1088, 0.206, WSW |
| P69 | BERADA CORPORATION-G | 801 TORRANCE | WMUDS/SWAT | Higher | 1139, 0.216, WSW |
| Q70 | SOUTHWEST CONSERVATI | 20300 S MAIN ST | SEMS-ARCHIVE | Lower | 1151, 0.218, NNE |
| Q71 | CAL-COMPACT NO. 2 | 20300 SOUTH MAIN STR | WMUDS/SWAT | Lower | 1151, 0.218, NNE |
| Q72 | SOUTHWEST CONSERVATI | 20300 MAIN | ENVIROSTOR, LDS, HIST CORTESE, CERS | Lower | 1151, 0.218, NNE |
| Q73 | CAL COMPACT LANDFILL | 20300 SOUTH MAIN STR | CA BOND EXP. PLAN | Lower | 1151, 0.218, NNE |
| Q74 | CAL COMPACT | 20030 S MAIN | SEMS, LOS ANGELES CO. HMS | Lower | 1151, 0.218, NNE |
| R75 | LAB CORP OF AMERICA | 20221 HAMILTON AVE | RCRA-SQG | Higher | 1173, 0.222, NW |
| 76 | CARBURETOR LAND | 20922 S MAIN ST | RCRA-SQG, FINDS, ECHO, HAZNET, HWTS | Lower | 1205, 0.228, SSE |

MAPPED SITES SUMMARY

Target Property Address:
 MAIN STREET & FIGUEROA
 CARSON, CA 90745

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|----------------------|----------------------|----------------------|--|--------------------|----------------------------|
| R77 | GARDENA VALLEY DUMP | 736 WEST DEL AMO BOU | SWF/LF, LOS ANGELES CO LF METHANE | Higher | 1216, 0.230, WNW |
| R78 | THE EMPTY ATTIC | 736 W. DEL AMO BOULE | ENVIROSTOR, VCP | Higher | 1216, 0.230, WNW |
| P79 | GARDENA VALLEY #4 LA | 833 W. TORRANCE BLVD | ENVIROSTOR, SWF/LF, CERS | Higher | 1267, 0.240, WSW |
| P80 | GARDENA VALLEY DUMP | 833 WEST TORRANCE BL | SEMS | Higher | 1267, 0.240, WSW |
| S81 | FORMER GOLDEN EAGLE | 21000 S FIGUEROA ST | SEMS, RCRA-TSDF, RCRA-LQG, RESPONSE, ENVIROSTOR, | Higher | 1451, 0.275, SSW |
| S82 | CARSON TANK FARM | 21000 FIGUEROA | ENF, HIST CORTESE, WDR, CIWQS, CERS | Higher | 1451, 0.275, SSW |
| T83 | SOUTHWEST CONSERVATI | 20201 SOUTH MAIN | WMUDS/SWAT | Lower | 1462, 0.277, NNE |
| 84 | MOBIL #18-MAP | 20802 VERMONT AVE S | LUST, Cortese, HIST CORTESE, CERS | Lower | 1553, 0.294, WSW |
| T85 | 20151 MAIN ST. | 20151 MAIN ST. | US BROWNFIELDS, FINDS | Lower | 1628, 0.308, NNE |
| T86 | CITY OF CARSON - SYU | 20151 MAIN | SWF/LF, CPS-SLIC, CERS, LOS ANGELES CO LF METHANE | Lower | 1628, 0.308, NNE |
| U87 | WASTE MANAGEMENT, IN | 321 FRANCISCO ST. W. | LUST, Cortese, CERS | Lower | 2106, 0.399, North |
| U88 | USA WASTE OF CA | 321 W FRANCISCO ST | SWF/LF, HAULERS, NPDES, CIWQS, CERS | Lower | 2152, 0.408, North |
| U89 | THE HOME DEPOT | 321 W FRANCISCO ST | SWF/LF, CERS HAZ WASTE, CERS TANKS, EMI, HAZNET,... | Lower | 2152, 0.408, North |
| V90 | CITY OF CARSON - BUR | 19825 MAIN | CPS-SLIC, CERS | Higher | 2196, 0.416, NNE |
| 91 | SHELL OIL CO. | | FUDS | Higher | 2202, 0.417, NW |
| V92 | CITY OF CARSON - DRE | 19817 MAIN | CPS-SLIC, CERS | Higher | 2290, 0.434, North |
| 93 | BKK PUBLIC DUMP -CAR | 19200-19800 SOUTH MA | SWF/LF, CERS | Higher | 2316, 0.439, NNE |
| V94 | WESTERN WASTE INDUST | 19803 MAIN ST S | LUST, CPS-SLIC, SWEEPS UST, HIST UST, CA FID UST,... | Higher | 2384, 0.452, North |
| V95 | CITY OF CARSON - USA | 19803 MAIN | CPS-SLIC | Higher | 2384, 0.452, North |
| 96 | CITY OF CARSON | 21208 SHEARER AVENUE | CPS-SLIC, DEED, CERS | Lower | 2459, 0.466, SSE |
| 97 | LA-405 DOMINGUEZ GOL | RIGHT-OF-WAY BETWEEN | ENVIROSTOR, VCP | Higher | 2507, 0.475, NE |
| W98 | DON DOMINGUEZ APARTM | 19822 SOUTH MAIN STR | SWF/LF, CIWQS, CERS, LOS ANGELES CO LF METHANE | Higher | 2531, 0.479, NNE |
| W99 | SPECTRUM REAL ESTATE | 19822 S MAIN ST | SWF/LF, HAZNET, HWTS | Higher | 2531, 0.479, NNE |
| W100 | DOMINQUEZ GOLF COURS | 19800 S. MAIN STREET | SWF/LF, HWTS | Higher | 2580, 0.489, NNE |
| W101 | PORSHE MOTORSPORT | 19800 MAIN ST | ENVIROSTOR, LUST, VCP, CERS HAZ WASTE, Cortese,... | Higher | 2580, 0.489, NNE |
| W102 | PORSHE MOTORSPORT NO | 19800 S MAIN ST | ENVIROSTOR, VCP, HAZNET, HWTS | Higher | 2580, 0.489, NNE |
| X103 | PEPSI-COLA | 19700 FIGUEROA ST S | LUST, Cortese, CERS | Higher | 2619, 0.496, North |
| X104 | CITY OF CARSON - PEP | 19700 FIGUEROA | CPS-SLIC | Higher | 2619, 0.496, North |
| Y105 | DEL AMO HAZ WSTE | | ENVIROSTOR | Higher | 2659, 0.504, WNW |
| Y106 | DEL AMO HAZARDOUS WA | | FUDS | Higher | 2675, 0.507, WNW |
| 107 | FIRST IMAGE MANAGEME | 19701 S. HAMILTON AV | ENVIROSTOR | Higher | 2680, 0.508, NNW |
| 108 | MARTIN ADAMS DUMP | 213 ST TO 21111 DOLO | SEMS, ENVIROSTOR, SWF/LF, CHMIRS, CERS, LOS... | Lower | 2922, 0.553, SE |
| 109 | NORTH CARSON AREA SI | VICINITY OF I-405 FR | ENVIROSTOR | Higher | 2930, 0.555, NNE |
| Z110 | DOW CHEMICALS CO. | | ENVIROSTOR | Higher | 3300, 0.625, NW |
| Z111 | DOW CHEMICALS CO. | | FUDS | Higher | 3313, 0.627, NW |
| 112 | ROYAL BOULEVARD CLAS | ROYAL BLVD BTWN 209T | RESPONSE, ENVIROSTOR | Higher | 3360, 0.636, WSW |
| 113 | DEL AMO NEIGHBORHOOD | 1000 WEST 204TH STRE | ENVIROSTOR, VCP | Higher | 3363, 0.637, West |
| 114 | ROYAL BOULEVARD CLAS | ROYAL BOULEVARD BETW | CA BOND EXP. PLAN | Lower | 3503, 0.663, WSW |
| 115 | GOODYEAR AIRSHIP BAS | 19200 S MAIN ST | ENVIROSTOR, VCP, SWEEPS UST, LOS ANGELES CO. HMS | Lower | 3986, 0.755, NNE |

MAPPED SITES SUMMARY

Target Property Address:
 MAIN STREET & FIGUEROA
 CARSON, CA 90745

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|-----------------------|----------------------|----------------------|---|--------------------|----------------------------|
| AA116 | BRIDGE POINT SOUTH B | 20802,20846 AND 2085 | ENVIROSTOR, VCP | Higher | 4257, 0.806, West |
| 117 | BROADWAY & MAIN | 19101 - 19145 SOUTH | ENVIROSTOR, VCP | Lower | 4284, 0.811, NNE |
| AA118 | ECOLOGY CONTROL INDU | 20846 NORMANDIE | ENVIROSTOR, HIST CORTESE, NPDES, CIWQS, CERS | Higher | 4419, 0.837, WSW |
| 119 | CARROLL SHELBY ENTER | 19021 SOUTH FIGUEROA | ENVIROSTOR, VCP | Higher | 4466, 0.846, North |
| AA120 | TCE NORMANDIE SITE | VARIOUS SITES EAST A | ENVIROSTOR | Higher | 4483, 0.849, West |
| 121 | HYDRO RUBBER & PLAST | 1200 FRANCISCO ST | RCRA-SQG, ENVIROSTOR, FINDS, ECHO, EMI, HAZNET,... | Higher | 4507, 0.854, WNW |
| 122 | WESTERN CONCRETE STR | 19113 SOUTH HAMILTON | ENVIROSTOR | Higher | 4580, 0.867, WNW |
| 123 | NORMANDIE AVE. PROPE | 21000 NORMANDIE AVE. | ENVIROSTOR | Higher | 4646, 0.880, WSW |
| 124 | GOER MANUFACTURING C | 19100 SOUTH VERMONT | ENVIROSTOR | Higher | 4777, 0.905, NNW |
| 125 | RUBBER TECK INC | 19115 S HAMILTON | SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, HIST CORTESE, | Higher | 4875, 0.923, NNW |
| 126 | WILMINGTON/GRAMERCY | BETWEEN TRANSMISSION | ENVIROSTOR, VCP | Higher | 4928, 0.933, North |
| 127 | REDMAN EQUIPMEMT & M | 19800 NORMANDIE AVE. | RCRA-LQG, ENVIROSTOR, LUST, VCP, CERS HAZ WASTE,... | Higher | 5248, 0.994, WNW |
| 128 | AMOCO CHEMICALS CORP | 1225 WEST 196TH STRE | ENVIROSTOR, CPS-SLIC, CERS | Higher | 5255, 0.995, NW |
| AB129 | MONTROSE CHEMICAL | 20201 NORMANDIE AVEN | CA BOND EXP. PLAN | Higher | 5269, 0.998, WNW |
| AB130 | MONTROSE CHEMICAL CO | 20201 NORMANDIE AVEN | ENVIROSTOR, HIST Cal-Sites, Cortese, HIST CORTESE | Higher | 5269, 0.998, WNW |

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

| Site | Database(s) | EPA ID |
|---|--|--------------|
| GARDENA VALLEY LANDF BTW DEL AMO TORRANCE CARSON, CA 90745 | HIST CORTESE Reg Id: 19490203 | N/A |
| GARDENA VALLEY LANDF BTW DEL AMO, TORRANCE CARSON, CA 90745 | ENVIROSTOR Facility Id: 19490203 Status: Certified O&M - Land Use Restrictions Only VCP Status: Certified O&M - Land Use Restrictions Only Facility Id: 19490203 HIST Cal-Sites DEED Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 19490203 | N/A |
| GARDENA VALLEY LANDF BLOCK BOUNDED BY DEL CARSON, CA 90745 | CA BOND EXP. PLAN | N/A |
| GARDENA VALLEY LANDF BTW DEL AMO CARSON, CA 90745 | FINDS Registry ID:: 110033619662 | N/A |
| GARDENA VALLEY LANDF MAIN ST & FIGUEROA CARSON, CA 90775 | SEMS-ARCHIVE Site ID: 0900035 EPA Id: CAD982399883 | CAD982399883 |

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

Proposed NPL..... Proposed National Priority List Sites

EXECUTIVE SUMMARY

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

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

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

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycler Database

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

US HIST CDL..... Delisted National Clandestine Laboratory Register

AOCONCERN..... Key Areas of Concerns in Los Angeles County

EXECUTIVE SUMMARY

| | |
|-----------------|--|
| SCH..... | School Property Evaluation Program |
| CDL..... | Clandestine Drug Labs |
| Toxic Pits..... | Toxic Pits Cleanup Act Sites |
| US CDL..... | National Clandestine Laboratory Register |
| PFAS..... | PFAS Contamination Site Location Listing |

Local Land Records

| | |
|--------------|-----------------------------|
| LIENS..... | Environmental Liens Listing |
| LIENS 2..... | CERCLA Lien Information |

Records of Emergency Release Reports

| | |
|----------------|--|
| HMIRS..... | Hazardous Materials Information Reporting System |
| CHMIRS..... | California Hazardous Material Incident Report System |
| LDS..... | Land Disposal Sites Listing |
| MCS..... | Military Cleanup Sites Listing |
| SPILLS 90..... | SPILLS 90 data from FirstSearch |

Other Ascertainable Records

| | |
|-----------------------|---|
| DOD..... | Department of Defense Sites |
| SCRD DRYCLEANERS..... | State Coalition for Remediation of Drycleaners Listing |
| US FIN ASSUR..... | Financial Assurance Information |
| EPA WATCH LIST..... | EPA WATCH LIST |
| 2020 COR ACTION..... | 2020 Corrective Action Program List |
| TSCA..... | Toxic Substances Control Act |
| TRIS..... | Toxic Chemical Release Inventory System |
| SSTS..... | Section 7 Tracking Systems |
| RMP..... | Risk Management Plans |
| RAATS..... | RCRA Administrative Action Tracking System |
| PADS..... | PCB Activity Database 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 |
| 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 |
| ECHO..... | Enforcement & Compliance History Information |
| DOCKET HWC..... | Hazardous Waste Compliance Docket Listing |
| UXO..... | Unexploded Ordnance Sites |
| FUELS PROGRAM..... | EPA Fuels Program Registered Listing |
| CUPA Listings..... | CUPA Resources List |
| DRYCLEANERS..... | Cleaner Facilities |
| EMI..... | Emissions Inventory Data |

EXECUTIVE SUMMARY

| | |
|-----------------------------|---|
| ENF..... | Enforcement Action Listing |
| Financial Assurance..... | Financial Assurance Information Listing |
| HAZNET..... | Facility and Manifest Data |
| ICE..... | ICE |
| HWT..... | Registered Hazardous Waste Transporter Database |
| MINES..... | Mines Site Location Listing |
| MWMP..... | Medical Waste Management Program Listing |
| NPDES..... | NPDES Permits Listing |
| PEST LIC..... | Pesticide Regulation Licenses Listing |
| PROC..... | Certified Processors Database |
| Notify 65..... | Proposition 65 Records |
| LA Co. Site Mitigation..... | Site Mitigation List |
| UIC..... | UIC Listing |
| UIC GEO..... | UIC GEO (GEOTRACKER) |
| WASTEWATER PITS..... | Oil Wastewater Pits Listing |
| WDS..... | Waste Discharge System |
| WIP..... | Well Investigation Program Case List |
| MILITARY PRIV SITES..... | MILITARY PRIV SITES (GEOTRACKER) |
| PROJECT..... | PROJECT (GEOTRACKER) |
| WDR..... | Waste Discharge Requirements Listing |
| CIWQS..... | California Integrated Water Quality System |
| NON-CASE INFO..... | NON-CASE INFO (GEOTRACKER) |
| OTHER OIL GAS..... | OTHER OIL & GAS (GEOTRACKER) |
| PROD WATER PONDS..... | PROD WATER PONDS (GEOTRACKER) |
| SAMPLING POINT..... | SAMPLING POINT (GEOTRACKER) |
| WELL STIM PROJ..... | Well Stimulation Project (GEOTRACKER) |
| HWTS..... | Hazardous Waste Tracking System |
| MINES MRDS..... | Mineral Resources Data System |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

| | |
|-----------------------|---|
| EDR MGP..... | EDR Proprietary Manufactured Gas Plants |
| EDR Hist Auto..... | EDR Exclusive Historical Auto Stations |
| EDR Hist Cleaner..... | EDR Exclusive Historical Cleaners |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | |
|---------------|---|
| RGA 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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/28/2020 has revealed that there are 2 NPL sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO Cerclis ID:: 901293 EPA Id: CAD029544731 | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| MONTROSE CHEMICAL CO Cerclis ID:: 900993 EPA Id: CAD008242711 | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |

Federal CERCLIS list

SEMS: 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.

A review of the SEMS list, as provided by EDR, and dated 10/28/2020 has revealed that there are 5 SEMS sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO Site ID: 0901293 EPA Id: CAD029544731 | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| MONTROSE CHEMICAL CO Site ID: 0900993 EPA Id: CAD008242711 | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |
| GARDENA VALLEY DUMP Site ID: 0905129 EPA Id: CAD000568865 | 833 WEST TORRANCE BL | WSW 1/8 - 1/4 (0.240 mi.) | P80 | 565 |
| FORMER GOLDEN EAGLE Site ID: 0901486 EPA Id: CAD062080064 | 21000 S FIGUEROA ST | SSW 1/4 - 1/2 (0.275 mi.) | S81 | 567 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| CAL COMPACT | 20030 S MAIN | NNE 1/8 - 1/4 (0.218 mi.) | Q74 | 545 |

EXECUTIVE SUMMARY

Site ID: 0901999
EPA Id: CAD980735955

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 10/28/2020 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|-------------------------------|---------------|-------------|
| GARDENA VALLEY DUMP Site ID: 0903470 EPA Id: CAD982404865 | 100 W TORRANCE BLVD | SE 0 - 1/8 (0.082 mi.) | F28 | 193 |
| WERDIN DUMP Site ID: 0902459 EPA Id: CAD981576622 | 20420 S MAIN ST | NE 0 - 1/8 (0.109 mi.) | I29 | 195 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| SOUTHWEST CONSERVATI Site ID: 0901816 EPA Id: CAD980636500 | 20300 S MAIN ST | NNE 1/8 - 1/4 (0.218 mi.) | Q70 | 539 |

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|----------------------------|----------------------------------|---------------|-------------|
| FORMER GOLDEN EAGLE | 21000 S FIGUEROA ST | SSW 1/4 - 1/2 (0.275 mi.) | S81 | 567 |

EXECUTIVE SUMMARY

EPA ID:: CAD062080064

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 12/14/2020 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|------------------------------|---------------|-------------|
| MONTROSE CHEMICAL CO EPA ID:: CAD008242711 | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/14/2020 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|--------------------|-----------------------------|---------------|-------------|
| CAL COMPACT LANDFILL EPA ID:: CAR000254037 | 20400 MAIN ST | NE 1/8 - 1/4 (0.134 mi.) | I35 | 334 |
| LAB CORP OF AMERICA EPA ID:: CAP000112698 | 20221 HAMILTON AVE | NW 1/8 - 1/4 (0.222 mi.) | R75 | 548 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|------------------------|----------------------------------|---------------|-------------|
| CARBURETOR LAND EPA ID:: CAD983665928 | 20922 S MAIN ST | SSE 1/8 - 1/4 (0.228 mi.) | 76 | 550 |

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|----------------------------------|---------------|-------------|
| KMART 4987 EPA ID:: CAR000014902 | 500 CARSON TOWN CTR | SSW 1/8 - 1/4 (0.169 mi.) | N53 | 457 |

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 10/28/2020 has revealed that there are 2 US ENG CONTROLS sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO EPA ID:: CAD029544731 EPA ID:: CAD029544731 | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| MONTROSE CHEMICAL CO EPA ID:: CAD008242711 EPA ID:: CAD008242711 | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |

US INST 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.

A review of the US INST CONTROLS list, as provided by EDR, and dated 10/28/2020 has revealed that there are 2 US INST CONTROLS sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO EPA ID:: CAD029544731 | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| MONTROSE CHEMICAL CO EPA ID:: CAD008242711 | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |

State- and tribal - equivalent NPL

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 RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-------------------|---------------------------------|---------------|-------------|
| CAL COMPACT LANDFILL Database: RESPONSE, Date of Government Version: 10/26/2020 Status: Active | 20400 MAIN | NE 1/8 - 1/4 (0.134 mi.) | I34 | 200 |

EXECUTIVE SUMMARY

| | | | | |
|---|-----------------------------|----------------------------------|--------------|------------|
| Facility Id: 60000633 Status: Inactive - Action Required | | | | |
| PORSCHE MOTORSPORT Facility Id: 60000597 Status: Active | 19800 MAIN ST | NNE 1/4 - 1/2 (0.489 mi.) | W101 | 699 |
| PORSHE MOTORSPORT NO Facility Id: 60002821 Status: No Further Action | 19800 S MAIN ST | NNE 1/4 - 1/2 (0.489 mi.) | W102 | 762 |
| DEL AMO HAZ WSTE Facility Id: 80000628 Status: Inactive - Needs Evaluation | | WNW 1/2 - 1 (0.504 mi.) | Y105 | 774 |
| FIRST IMAGE MANAGEME Facility Id: 71003267 Status: Refer: Other Agency | 19701 S. HAMILTON AV | NNW 1/2 - 1 (0.508 mi.) | 107 | 776 |
| NORTH CARSON AREA SI Facility Id: 60002068 Status: No Action Required | VICINITY OF I-405 FR | NNE 1/2 - 1 (0.555 mi.) | 109 | 785 |
| DOW CHEMICALS CO. Facility Id: 80001003 Status: Inactive - Needs Evaluation | | NW 1/2 - 1 (0.625 mi.) | Z110 | 786 |
| ROYAL BOULEVARD CLAS Facility Id: 19490205 Status: No Further Action | ROYAL BLVD BTWN 209T | WSW 1/2 - 1 (0.636 mi.) | 112 | 788 |
| DEL AMO NEIGHBORHOOD Facility Id: 60002199 Status: Active | 1000 WEST 204TH STRE | W 1/2 - 1 (0.637 mi.) | 113 | 790 |
| BRIDGE POINT SOUTH B Facility Id: 60001994 Status: Active | 20802,20846 AND 2085 | W 1/2 - 1 (0.806 mi.) | AA116 | 802 |
| ECOLOGY CONTROL INDU Facility Id: 19300232 Status: Refer: RWQCB | 20846 NORMANDIE | WSW 1/2 - 1 (0.837 mi.) | AA118 | 812 |
| CARROLL SHELBY ENTER Facility Id: 60001060 Status: Active | 19021 SOUTH FIGUEROA | N 1/2 - 1 (0.846 mi.) | 119 | 828 |
| TCE NORMANDIE SITE Facility Id: 60002080 Status: Active | VARIOUS SITES EAST A | W 1/2 - 1 (0.849 mi.) | AA120 | 851 |
| HYDRO RUBBER & PLAST Facility Id: 19300238 Status: No Further Action | 1200 FRANCISCO ST | WNW 1/2 - 1 (0.854 mi.) | 121 | 852 |
| WESTERN CONCRETE STR Facility Id: 19320133 Status: Refer: Other Agency | 19113 SOUTH HAMILTON | NNW 1/2 - 1 (0.867 mi.) | 122 | 861 |
| NORMANDIE AVE. PROPE Facility Id: 19650040 Status: Refer: 1248 Local Agency | 21000 NORMANDIE AVE. | WSW 1/2 - 1 (0.880 mi.) | 123 | 863 |
| GOER MANUFACTURING C Facility Id: 19390007 | 19100 SOUTH VERMONT | NNW 1/2 - 1 (0.905 mi.) | 124 | 864 |

EXECUTIVE SUMMARY

| | | | | |
|--|-----------------------------|----------------------------------|---------------|-------------|
| Status: Refer: Other Agency | | | | |
| RUBBER TECK INC | 19115 S HAMILTON | NNW 1/2 - 1 (0.923 mi.) | 125 | 865 |
| Facility Id: 19300025 Status: Refer: Other Agency | | | | |
| WILMINGTON/GRAMERCY | BETWEEN TRANSMISSION | N 1/2 - 1 (0.933 mi.) | 126 | 871 |
| Facility Id: 19490245 Status: Active | | | | |
| REDMAN EQUIPMENT & M | 19800 NORMANDIE AVE. | WNW 1/2 - 1 (0.994 mi.) | 127 | 888 |
| Facility Id: 60001366 Status: Active | | | | |
| AMOCO CHEMICALS CORP | 1225 WEST 196TH STRE | NW 1/2 - 1 (0.995 mi.) | 128 | 948 |
| Facility Id: 19290155 Status: Inactive - Action Required | | | | |
| MONTROSE CHEMICAL CO | 20201 NORMANDIE AVEN | WNW 1/2 - 1 (0.998 mi.) | AB130 | 952 |
| Facility Id: 19280024 Status: Active | | | | |
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
| REBEL MINI STORAGE | 20501 S. MAIN STREET | NNE 0 - 1/8 (0.064 mi.) | G18 | 169 |
| Facility Id: 19000020 Status: Certified / Operation & Maintenance | | | | |
| GS NURSERY | 20331 MAIN STREET | N 1/8 - 1/4 (0.149 mi.) | K40 | 371 |
| Facility Id: 60000514 Status: Inactive - Needs Evaluation | | | | |
| SOUTHWEST CONSERVATI | 20300 MAIN | NNE 1/8 - 1/4 (0.218 mi.) | Q72 | 542 |
| Facility Id: 19490193 Status: Inactive - Needs Evaluation | | | | |
| MARTIN ADAMS DUMP | 213 ST TO 21111 DOLO | SE 1/2 - 1 (0.553 mi.) | 108 | 777 |
| Facility Id: 19530002 Status: Inactive - Needs Evaluation | | | | |
| GOODYEAR AIRSHIP BAS | 19200 S MAIN ST | NNE 1/2 - 1 (0.755 mi.) | 115 | 799 |
| Facility Id: 60002022 Status: Active | | | | |
| BROADWAY & MAIN | 19101 - 19145 SOUTH | NNE 1/2 - 1 (0.811 mi.) | 117 | 808 |
| Facility Id: 60001991 Status: Active | | | | |

State and tribal landfill and/or solid waste disposal site lists

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 SWF/LF list, as provided by EDR, has revealed that there are 16 SWF/LF sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|-----------------------------|-----------------------------|---------------|-------------|
| GARDENA VALLEY 1 & 2 | 20740 S. FIGUEROA, 2 | 0 - 1/8 (0.000 mi.) | B7 | 139 |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |

EXECUTIVE SUMMARY

Facility ID: 19-AQ-0010
 Operational Status: Closed
 Regulation Status: TBD (Pending Investigation)

| | | | | |
|--|-----------------------------|----------------------------------|-------------|------------|
| GARDENA VALLEY #1 & | 415 - 425 WEST TORRA | SW 0 - 1/8 (0.073 mi.) | D25 | 190 |
| Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 | | | | |
| Site ID: 1941 | | | | |
| Status: Closed | | | | |
| CAL COMPACT LANDFILL | 20400 MAIN | NE 1/8 - 1/4 (0.134 mi.) | I34 | 200 |
| Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 | | | | |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |
| Facility ID: 19-AQ-0012 | | | | |
| Site ID: 1889 | | | | |
| Status: Closed | | | | |
| Operational Status: Closed | | | | |
| Regulation Status: Unpermitted | | | | |
| CITY OF CARSON - TDJ | 20300 FIGUEROA | NNW 1/8 - 1/4 (0.142 mi.) | J38 | 369 |
| Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 | | | | |
| Site ID: 2769 | | | | |
| Status: Active | | | | |
| ENI OIL & GAS, INC. | 306 WEST TORRANCE BL | S 1/8 - 1/4 (0.153 mi.) | M48 | 443 |
| Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 | | | | |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |
| Facility ID: 19-AQ-0011 | | | | |
| Site ID: 1942 | | | | |
| Status: Closed | | | | |
| Operational Status: Closed | | | | |
| Regulation Status: Pre-regulation | | | | |
| GARDENA VALLEY DUMP | 736 WEST DEL AMO BOU | WNW 1/8 - 1/4 (0.230 mi.) | R77 | 557 |
| Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 | | | | |
| Site ID: 1944 | | | | |
| Status: Closed | | | | |
| GARDENA VALLEY #4 LA | 833 W. TORRANCE BLVD | WSW 1/8 - 1/4 (0.240 mi.) | P79 | 560 |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |
| Facility ID: 19-AA-5058 | | | | |
| Operational Status: Closed | | | | |
| Regulation Status: Unpermitted | | | | |
| BKK PUBLIC DUMP -CAR | 19200-19800 SOUTH MA | NNE 1/4 - 1/2 (0.439 mi.) | 93 | 678 |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |
| Facility ID: 19-AQ-0014 | | | | |
| Operational Status: Closed | | | | |
| Regulation Status: Pre-regulation | | | | |
| DON DOMINGUEZ APARTM | 19822 SOUTH MAIN STR | NNE 1/4 - 1/2 (0.479 mi.) | W98 | 694 |
| Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 | | | | |
| Site ID: 2251 | | | | |
| Status: Closed | | | | |
| SPECTRUM REAL ESTATE | 19822 S MAIN ST | NNE 1/4 - 1/2 (0.479 mi.) | W99 | 695 |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |
| Facility ID: 19-AQ-5000 | | | | |
| Facility ID: 19-AQ-0005 | | | | |
| Operational Status: Closed | | | | |
| Regulation Status: Pre-regulation | | | | |
| Regulation Status: Unpermitted | | | | |
| DOMINQUEZ GOLF COURS | 19800 S. MAIN STREET | NNE 1/4 - 1/2 (0.489 mi.) | W100 | 698 |
| Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 | | | | |

EXECUTIVE SUMMARY

Facility ID: 19-AA-5590
 Operational Status: Closed
 Regulation Status: TBD (Pending Investigation)

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|---------------------------|----------------------------------|---------------|-------------|
| VISTA DEL AMO MOBILE Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 Facility ID: 19-AQ-5059 Facility ID: 19-AQ-0017 Site ID: 2056 Status: Closed Operational Status: Closed Regulation Status: Unpermitted Regulation Status: Pre-regulation | 20600 S. MAIN ST. | E 0 - 1/8 (0.025 mi.) | C10 | 145 |
| GS NURSERY Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 Facility ID: 19-AA-1066 Facility ID: 19-AA-5009 Site ID: 2766 Status: Active Operational Status: Active Operational Status: Closed Regulation Status: Notification Regulation Status: TBD (Pending Investigation) | 20331 MAIN STREET | N 1/8 - 1/4 (0.149 mi.) | K40 | 371 |
| CITY OF CARSON - SYU Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 Facility ID: 19-AQ-0009 Site ID: 2028 Status: Closed Operational Status: Closed Regulation Status: Pre-regulation | 20151 MAIN | NNE 1/4 - 1/2 (0.308 mi.) | T86 | 646 |
| USA WASTE OF CA Database: LOS ANGELES CO. LF, Date of Government Version: 10/09/2020 Site ID: 365 Status: Active | 321 W FRANCISCO ST | N 1/4 - 1/2 (0.408 mi.) | U88 | 653 |
| THE HOME DEPOT Database: SWF/LF (SWIS), Date of Government Version: 11/09/2020 Facility ID: 19-AQ-0001 Operational Status: Active Regulation Status: Permitted | 321 W FRANCISCO ST | N 1/4 - 1/2 (0.408 mi.) | U89 | 664 |

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 9 LUST sites within

EXECUTIVE SUMMARY

approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------------|----------------------------------|---------------|-------------|
| ALPINE SHELL Database: LUST, Date of Government Version: 09/08/2020 Status: Open - Eligible for Closure Global Id: T0603778569 | 701 TORRANCE BLVD # | WSW 1/8 - 1/4 (0.152 mi.) | L43 | 386 |
| ALPINE TEXACO (FORME) Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Facility Id: R-24881 Status: Case Closed Global Id: T0603705470 Global ID: T0603705470 | 701 TORRANCE BLVD W | WSW 1/8 - 1/4 (0.152 mi.) | L47 | 440 |
| ROLLINS LEASING CORP Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-06281 Status: Case Closed Global ID: T0603704727 | 20425 HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O63 | 495 |
| MATLOCK, MC Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Global Id: T0603704727 | 20425 HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O65 | 527 |
| WESTERN WASTE INDUST Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Facility Id: R-11494 Status: Case Closed Global Id: T0603705049 Global ID: T0603705049 | 19803 MAIN ST S | N 1/4 - 1/2 (0.452 mi.) | V94 | 681 |
| PORSCHE MOTORSPORT Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Facility Id: I-16281 Status: Case Closed Global Id: T0603704401 Global ID: T0603704401 | 19800 MAIN ST | NNE 1/4 - 1/2 (0.489 mi.) | W101 | 699 |
| PEPSI-COLA Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Facility Id: I-05999 Status: Case Closed Global Id: T0603748324 Global Id: T0603703151 Global ID: T0603703151 | 19700 FIGUEROA ST S | N 1/4 - 1/2 (0.496 mi.) | X103 | 768 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| MOBIL #18-MAP Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/08/2020 | 20802 VERMONT AVE S | WSW 1/4 - 1/2 (0.294 mi.) | 84 | 634 |

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------|-----------------------------|---------------|-------------|
| PROPEL FUELS, INC. (Database: UST, Date of Government Version: 09/08/2020 Facility Id: LACoFA0045565 Facility Id: LACoFA0026472 Facility Id: 24881 | 701 TORRANCE BLVD ST | WSW 1/8 - 1/4 (0.152 mi.) | L45 | 434 |
| PENSKE TRUCK LEASING Database: UST, Date of Government Version: 09/08/2020 Facility Id: LACoFA0013219 | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O57 | 467 |
| ROLLINS LEASING CORP Database: UST, Date of Government Version: 09/08/2020 Facility Id: 6281 | 20425 HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O60 | 489 |

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------|-----------------------------|---------------|-------------|
| PENSKE TRUCK LEASING Database: AST, Date of Government Version: 07/06/2016 | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O56 | 466 |
| Not reported Database: AST, Date of Government Version: 07/06/2016 | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O61 | 490 |

State and tribal voluntary cleanup sites

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 VCP list, as provided by EDR, and dated 10/26/2020 has revealed that there are 7 VCP sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|----------------------------------|---------------|-------------|
| GARDENA VALLEY DUMPS Status: Active Facility Id: 60003021 | 225 W TORRANCE BLVD | SSE 0 - 1/8 (0.065 mi.) | H23 | 187 |
| THE EMPTY ATTIC Status: No Further Action | 736 W. DEL AMO BOULE | WNW 1/8 - 1/4 (0.230 mi.) | R78 | 558 |

EXECUTIVE SUMMARY

are 4 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| CAL COMPACT LF / MET | 20400 MAIN ST | NE 1/8 - 1/4 (0.134 mi.) | I36 | 338 |
| ALPINE SHELL | 701 TORRANCE BLVD # | WSW 1/8 - 1/4 (0.152 mi.) | L43 | 386 |
| PENSKE TRUCK LEASING | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O58 | 467 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| ULTRASONIC CLEANING | 20730 S MAIN ST | ESE 0 - 1/8 (0.058 mi.) | F16 | 161 |

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------------|----------------------------------|---------------|-------------|
| EXXON SERV STATION 3 Status: A Tank Status: A Comp Number: 3024 | 701 W TORRANCE BLVD | WSW 1/8 - 1/4 (0.152 mi.) | L42 | 384 |

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|--|--|--------------------------|--------------------------|
| ALPINE SHELL Facility Id: 00000029488 | 701 TORRANCE BLVD # | WSW 1/8 - 1/4 (0.152 mi.) | L43 | 386 |
| WON TAE LEE EXXON MATLACK, INC Facility Id: 00000067286 | 701 W TORRANCE 20425 HAMILTON AVE | WSW 1/8 - 1/4 (0.152 mi.) WNW 1/8 - 1/4 (0.175 mi.) | L46 O54 | 435 462 |
| ROLLINS LEASING CORP MATLOCK, MC Facility Id: 00000008099 | 20425 S HAMILTON AVE 20425 HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) WNW 1/8 - 1/4 (0.175 mi.) | O64 O65 | 497 527 |

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/19/2020 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|----------------------|---------------------------------|---------------|-------------|
| CAL COMPACT LF / MET | 20400 MAIN ST | NE 1/8 - 1/4 (0.134 mi.) | I36 | 338 |

EXECUTIVE SUMMARY

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| ALPINE SHELL | 701 TORRANCE BLVD # | WSW 1/8 - 1/4 (0.152 mi.) | L43 | 386 |
| PENSKE TRUCK LEASING | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O58 | 467 |

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 is 1 CA FID UST site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------------|----------------------------------|---------------|-------------|
| EXXON SERV STATION 3 Facility Id: 19003602 Status: A | 701 W TORRANCE BLVD | WSW 1/8 - 1/4 (0.152 mi.) | L42 | 384 |

Local Land Records

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 DEED list, as provided by EDR, and dated 08/31/2020 has revealed that there are 4 DEED sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO Status: ACTIVE Envirostor ID: 19300230 | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| FORMER GOLDEN EAGLE Status: ACTIVE Envirostor ID: 19290167 | 21000 S FIGUEROA ST | SSW 1/4 - 1/2 (0.275 mi.) | S81 | 567 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| REBEL MINI STORAGE Status: CERTIFIED / OPERATION & MAINTENANCE Envirostor ID: 19000020 | 20501 S. MAIN STREET | NNE 0 - 1/8 (0.064 mi.) | G18 | 169 |
| CITY OF CARSON Status: OPEN - INACTIVE Envirostor ID: SL163452337 | 21208 SHEARER AVENUE | SSE 1/4 - 1/2 (0.466 mi.) | 96 | 689 |

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

EXECUTIVE SUMMARY

dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there are 14 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|----------------------------------|---------------|-------------|
| HAYWARD BAKER EPA ID:: CAC003023729 | 20400 MAIN STREET | NE 1/8 - 1/4 (0.134 mi.) | I37 | 367 |
| PROPEL FUELS (207013 EPA ID:: CAL000376033 | 701 TORRANCE BLVD | WSW 1/8 - 1/4 (0.152 mi.) | L44 | 432 |
| ENI OIL & GAS INC EPA ID:: CAL000394471 | 306 W TORRANCE BLVD | S 1/8 - 1/4 (0.153 mi.) | M49 | 448 |
| FLOOR AND DECOR #201 EPA ID:: CAL000441029 | 500 CARSON TOWN CENT | SSW 1/8 - 1/4 (0.169 mi.) | N52 | 454 |
| PENSKE TRUCK LEASING EPA ID:: CAD982344897 | 20425 SOUTH HAMILTON | WNW 1/8 - 1/4 (0.175 mi.) | O55 | 463 |
| PENSKE TRUCK LEASING EPA ID:: CAL000183651 | 20425 SOUTH HAMILTON | WNW 1/8 - 1/4 (0.175 mi.) | O59 | 486 |
| PENSKE TRUCK LEASING EPA ID:: CAD000630046 | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O62 | 490 |
| ROLLINS LEASING CORP EPA ID:: CAD981994809 | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O64 | 497 |
| BRITE SOL CLEANING D EPA ID:: CAD980880835 | 20425 S HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O66 | 530 |
| PETER FREDERIKSEN | 714 GREENHEDGE STREE | WSW 1/8 - 1/4 (0.206 mi.) | 68 | 536 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| AMERICAN ENVIRONMENT EPA ID:: CAD982516171 | 20600 SOUTH MAIN STR | E 0 - 1/8 (0.025 mi.) | C9 | 142 |
| ULTRASONIC CLEANING EPA ID:: CAL000326992 | 20730 MAIN ST | ESE 0 - 1/8 (0.058 mi.) | F17 | 166 |
| STORAGE ETC EPA ID:: CAL000430158 | 20501 S MAIN ST | NNE 0 - 1/8 (0.064 mi.) | G20 | 181 |
| GAN AUTO REPAIR EPA ID:: CAL000248805 | 20840 S MAIN ST | SE 1/8 - 1/4 (0.163 mi.) | 51 | 452 |

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 08/05/2020 has revealed that there are 3 FUDS sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|----------------|-----------------------------|---------------|-------------|
| SHELL OIL CO. | | NW 1/4 - 1/2 (0.417 mi.) | 91 | 677 |
| DEL AMO HAZARDOUS WA | | WNW 1/2 - 1 (0.507 mi.) | Y106 | 775 |
| DOW CHEMICALS CO. | | NW 1/2 - 1 (0.627 mi.) | Z111 | 787 |

EXECUTIVE SUMMARY

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 10/28/2020 has revealed that there are 2 ROD sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO EPA ID:: CAD029544731 | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| MONTRORSE CHEMICAL CO EPA ID:: CAD008242711 | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 09/30/2020 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|------------------------------|---------------|-------------|
| MONTRORSE CHEMICAL CO | 20201 S NORMANDIE AV | N 0 - 1/8 (0.003 mi.) | 0 | 73 |

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 are 3 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|----------------------|-----------------------------|---------------|-------------|
| MONTRORSE CHEMICAL | 20201 NORMANDIE AVEN | WNW 1/2 - 1 (0.998 mi.) | AB129 | 951 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| CAL COMPACT LANDFILL | 20300 SOUTH MAIN STR | NNE 1/8 - 1/4 (0.218 mi.) | Q73 | 544 |
| ROYAL BOULEVARD CLAS | ROYAL BOULEVARD BETW | WSW 1/2 - 1 (0.663 mi.) | 114 | 798 |

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 11 Cortese sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO Envirostor Id: 19300230 Cleanup Status: ACTIVE - LAND USE RESTRICTIONS | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| CAL COMPACT LANDFILL Envirostor Id: 19490019 Cleanup Status: ACTIVE | 20400 MAIN | NE 1/8 - 1/4 (0.134 mi.) | I34 | 200 |
| ALPINE SHELL | 701 TORRANCE BLVD # | WSW 1/8 - 1/4 (0.152 mi.) | L43 | 386 |

EXECUTIVE SUMMARY

Cleanup Status: OPEN - ELIGIBLE FOR CLOSURE

| | | | | |
|---|----------------------------|----------------------------------|-------------|------------|
| ALPINE TEXACO (FORME | 701 TORRANCE BLVD W | WSW 1/8 - 1/4 (0.152 mi.) | L47 | 440 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| ROLLINS LEASING CORP | 20425 HAMILTON AVE | WNW 1/8 - 1/4 (0.175 mi.) | O63 | 495 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| FORMER GOLDEN EAGLE | 21000 S FIGUEROA ST | SSW 1/4 - 1/2 (0.275 mi.) | S81 | 567 |
| Envirostor Id: 19290167 Cleanup Status: ACTIVE - LAND USE RESTRICTIONS | | | | |
| WESTERN WASTE INDUST | 19803 MAIN ST S | N 1/4 - 1/2 (0.452 mi.) | V94 | 681 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| PORSCHE MOTORSPORT | 19800 MAIN ST | NNE 1/4 - 1/2 (0.489 mi.) | W101 | 699 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| PEPSI-COLA | 19700 FIGUEROA ST S | N 1/4 - 1/2 (0.496 mi.) | X103 | 768 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|-----------------------------|----------------------------------|---------------|-------------|
| MOBIL #18-MAP | 20802 VERMONT AVE S | WSW 1/4 - 1/2 (0.294 mi.) | 84 | 634 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |
| WASTE MANAGEMENT, IN | 321 FRANCISCO ST. W. | N 1/4 - 1/2 (0.399 mi.) | U87 | 650 |
| Cleanup Status: COMPLETED - CASE CLOSED | | | | |

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 [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 9 HIST CORTESE sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| DEL AMO | DEL AMO BLVD AND VER | NNW 1/4 - 1/2 (0.351 mi.) | 0 | 23 |
| Reg Id: 19300230 | | | | |
| ROLLINS LEASING CORP | 20425 HAMILTON | WNW 0 - 1/8 (0.116 mi.) | 30 | 197 |
| Reg Id: R-06281 | | | | |
| WERDIN DUMP | 20402 MAIN | NE 1/8 - 1/4 (0.132 mi.) | I31 | 197 |
| Reg Id: 19490104 | | | | |
| CAL COMPACT LANDFILL | 20400 MAIN | NE 1/8 - 1/4 (0.134 mi.) | I34 | 200 |
| Reg Id: 19490019 | | | | |
| CARSON TANK FARM | 21000 FIGUEROA | SSW 1/4 - 1/2 (0.275 mi.) | S82 | 626 |
| Reg Id: 4B192516001 | | | | |
| WESTERN WASTE INDUST | 19803 MAIN ST S | N 1/4 - 1/2 (0.452 mi.) | V94 | 681 |
| Reg Id: R-11494 | | | | |
| PORSCHE MOTORSPORT | 19800 MAIN ST | NNE 1/4 - 1/2 (0.489 mi.) | W101 | 699 |
| Reg Id: I-16281 | | | | |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| SOUTHWEST CONSERVATI | 20300 MAIN | NNE 1/8 - 1/4 (0.218 mi.) | Q72 | 542 |

EXECUTIVE SUMMARY

Reg Id: 19490193

MOBIL #18-MAP

Reg Id: R-05290

20802 VERMONT AVE S

WSW 1/4 - 1/2 (0.294 mi.) 84

634

Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, and dated 10/19/2020 has revealed that there is 1 LOS ANGELES CO. HMS site within approximately 0.001 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|---------------------|-----------------------------|---------------|-------------|
| PROCESS CONSTR CO IN Facility ID: 000612-I00616 | 20700 S FIGUEROA ST | 0 - 1/8 (0.000 mi.) | B6 | 139 |

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/17/2020 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|----------------------------------|---------------|-------------|
| FORMER GOLDEN EAGLE EPA Id: CAD062080064 Cleanup Status: PROTECTIVE FILER | 21000 S FIGUEROA ST | SSW 1/4 - 1/2 (0.275 mi.) | S81 | 567 |

CERS: 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

A review of the CERS list, as provided by EDR, and dated 10/19/2020 has revealed that there is 1 CERS site within approximately 0.001 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---------------------------------|-----------------------------|-----------------------------|---------------|-------------|
| GARDENA VALLEY 1 & 2 | 20740 S. FIGUEROA, 2 | 0 - 1/8 (0.000 mi.) | B7 | 139 |

LOS ANGELES CO LF METHANE: This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

A review of the LOS ANGELES CO LF METHANE list, as provided by EDR, and dated 04/30/2012 has revealed that there are 7 LOS ANGELES CO LF METHANE sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|--|--|--------------------|--------------------|
| GARDENA VALLEY #1 & CAL COMPACT LANDFILL | 415 - 425 WEST TORRA 20400 MAIN | SW 0 - 1/8 (0.073 mi.) NE 1/8 - 1/4 (0.134 mi.) | D25 I34 | 190 200 |

EXECUTIVE SUMMARY

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| <i>ENI OIL & GAS, INC.</i> | <i>306 WEST TORRANCE BL</i> | <i>S 1/8 - 1/4 (0.153 mi.)</i> | <i>M48</i> | <i>443</i> |
| <i>GARDENA VALLEY DUMP</i> | <i>736 WEST DEL AMO BOU</i> | <i>WNW 1/8 - 1/4 (0.230 mi.)</i> | <i>R77</i> | <i>557</i> |
| <i>DON DOMINGUEZ APARTM</i> | <i>19822 SOUTH MAIN STR</i> | <i>NNE 1/4 - 1/2 (0.479 mi.)</i> | <i>W98</i> | <i>694</i> |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
| <i>VISTA DEL AMO MOBILE</i> | <i>20600 S. MAIN ST.</i> | <i>E 0 - 1/8 (0.025 mi.)</i> | <i>C10</i> | <i>145</i> |
| <i>CITY OF CARSON - SYU</i> | <i>20151 MAIN</i> | <i>NNE 1/4 - 1/2 (0.308 mi.)</i> | <i>T86</i> | <i>646</i> |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: 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.

A review of the RGA LF list, as provided by EDR, has revealed that there is 1 RGA LF site within approximately 0.001 miles of the target property.

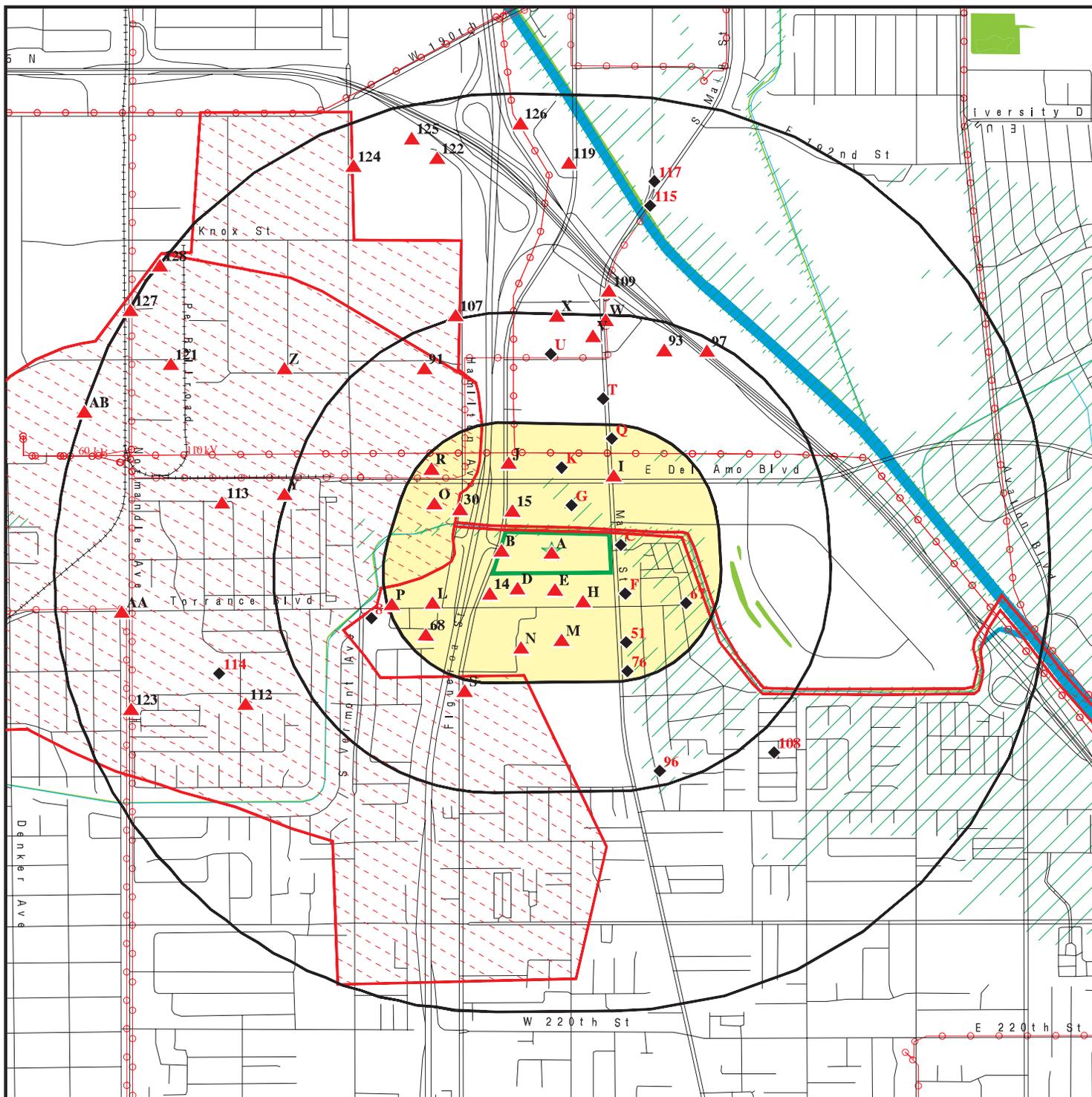
| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|----------------------|-----------------------------|---------------|-------------|
| GARDENA VALLEY 1 & 2 Facility ID: 19-AQ-0010 | 20740 S. FIGUEROA, 2 | 0 - 1/8 (0.000 mi.) | B8 | 141 |

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 11 records.

| <u>Site Name</u> | <u>Database(s)</u> |
|-----------------------------------|--------------------|
| BROWN DUMP (NISSAN MOTOR CORP) | CDL |
| CARSON CITY TOWING INC. | SWF/LF |
| K & S RUBBISH | SWF/LF |
| ROSE WILLIAMS LANDFILL | SWF/LF |
| VERMONT AVENUE & KNOX STREET DUMP | SWF/LF |
| CITY OF CARSON | CPS-SLIC |
| MCMILLEN OIL FIELD | CPS-SLIC |
| GOLDEN EAGLE REFINERY | CA BOND EXP. PLAN |
| DEL AMO BOULEVARD | CA BOND EXP. PLAN |
| TED HAMMETT (CARSON) | ENVIROSTOR |

OVERVIEW MAP - 6333862.2S



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

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

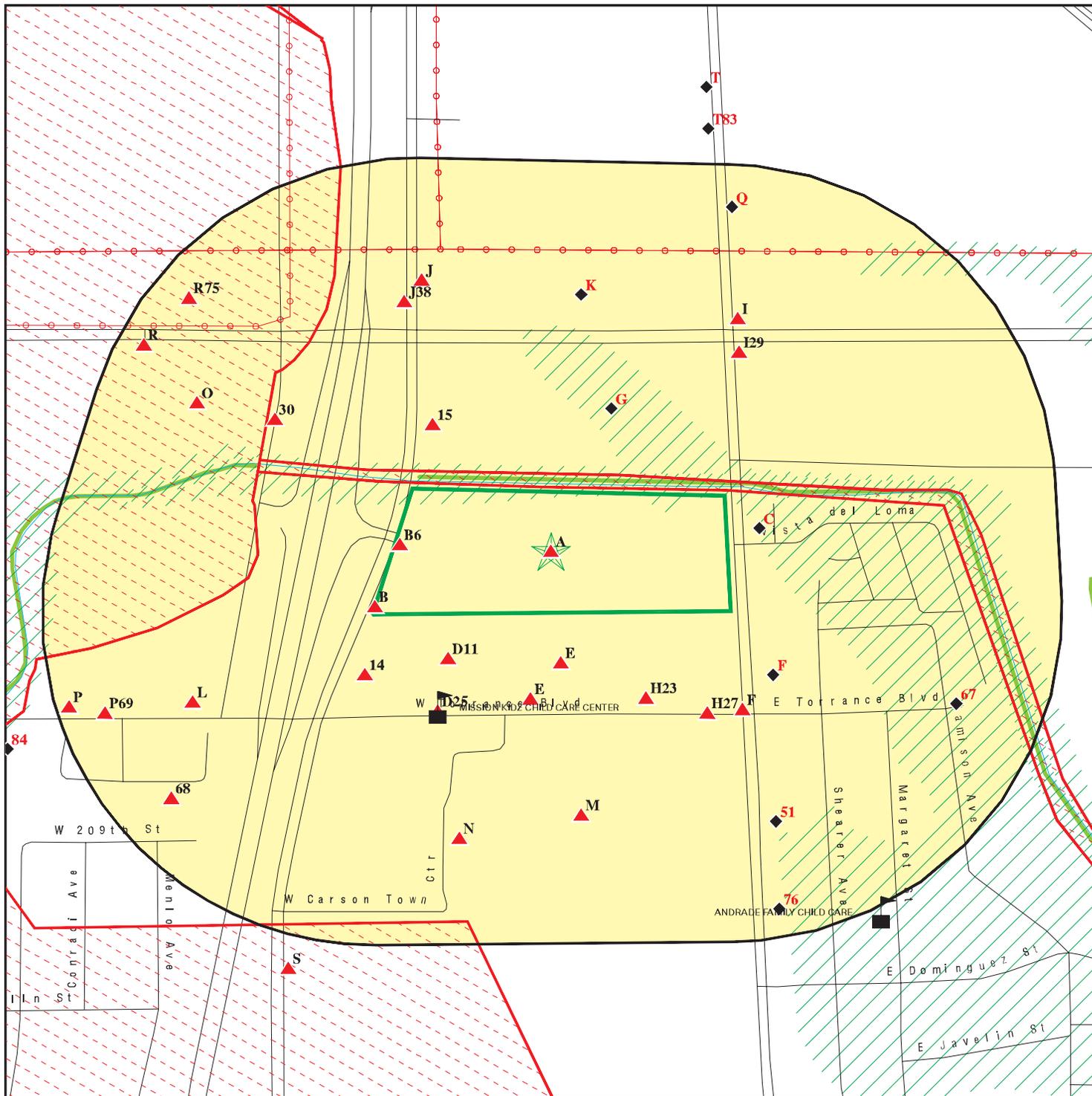


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Gardena Valley 1 & 2 Landfill
 ADDRESS: Main Street & Figueroa
 Carson CA 90745
 LAT/LONG: 33.843893 / 118.282468

CLIENT: Haley & Aldrich
 CONTACT: Keith Foster
 INQUIRY #: 6333862.2s
 DATE: January 19, 2021 1:01 pm

DETAIL MAP - 6333862.2S



- 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
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Gardena Valley 1 & 2 Landfill
 ADDRESS: Main Street & Figueroa
 Carson CA 90745
 LAT/LONG: 33.843893 / 118.282468

CLIENT: Haley & Aldrich
 CONTACT: Keith Foster
 INQUIRY #: 6333862.2s
 DATE: January 19, 2021 1:05 pm

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 | | | | | | | | |
| <i>Federal NPL site list</i> | | | | | | | | |
| NPL | 1.000 | | 1 | 0 | 1 | 0 | NR | 2 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal Delisted NPL site list</i> | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal CERCLIS list</i> | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 1 | 2 | 2 | NR | NR | 5 |
| <i>Federal CERCLIS NFRAP site list</i> | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | 1 | 2 | 1 | 0 | NR | NR | 4 |
| <i>Federal RCRA CORRACTS facilities list</i> | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal RCRA non-CORRACTS TSD facilities list</i> | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| <i>Federal RCRA generators list</i> | | | | | | | | |
| RCRA-LQG | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| RCRA-SQG | 0.250 | | 0 | 3 | NR | NR | NR | 3 |
| RCRA-VSQG | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| US INST CONTROLS | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| <i>State- and tribal - equivalent NPL RESPONSE</i> | | | | | | | | |
| RESPONSE | 1.000 | | 0 | 1 | 1 | 1 | NR | 3 |
| <i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i> | | | | | | | | |
| ENVIROSTOR | 1.000 | 1 | 2 | 6 | 5 | 22 | NR | 36 |
| <i>State and tribal landfill and/or solid waste disposal site lists</i> | | | | | | | | |
| SWF/LF | 0.500 | | 3 | 6 | 7 | NR | NR | 16 |
| <i>State and tribal leaking storage tank lists</i> | | | | | | | | |
| LUST | 0.500 | | 0 | 4 | 5 | NR | NR | 9 |

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 |
| CPS-SLIC | 0.500 | | 4 | 3 | 8 | NR | NR | 15 |
| State and tribal registered storage tank lists | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 3 | NR | NR | NR | 3 |
| AST | 0.250 | | 0 | 2 | NR | NR | NR | 2 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| State and tribal voluntary cleanup sites | | | | | | | | |
| VCP | 0.500 | 1 | 2 | 2 | 3 | NR | NR | 8 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal Brownfields sites | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ADDITIONAL ENVIRONMENTAL RECORDS | | | | | | | | |
| Local Brownfield lists | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 5 | 2 | 1 | NR | NR | 8 |
| Local Lists of Landfill / Solid Waste Disposal Sites | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 2 | 3 | 1 | NR | NR | 6 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HAULERS | 0.001 | | 0 | 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 | | | | | | | | |
| US HIST CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| AOCONCERN | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| HIST Cal-Sites | 1.000 | 1 | 0 | 1 | 1 | 1 | NR | 4 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 1 | 3 | NR | NR | NR | 4 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| US CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Local Lists of Registered Storage Tanks | | | | | | | | |
| SWEEPS UST | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| HIST UST | 0.250 | | 0 | 5 | NR | NR | NR | 5 |
| CERS TANKS | 0.250 | | 0 | 3 | NR | NR | NR | 3 |
| CA FID UST | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| Local Land Records | | | | | | | | |
| LIENS | 0.001 | | 0 | 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 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DEED | 0.500 | 1 | 1 | 0 | 3 | NR | NR | 5 |
| Records of Emergency Release Reports | | | | | | | | |
| HMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CHMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| LDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MCS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SPILLS 90 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| Other Ascertainable Records | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 3 | 11 | NR | NR | NR | 14 |
| FUDS | 1.000 | | 0 | 0 | 1 | 2 | NR | 3 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| TRIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SSTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 1 | 0 | 1 | 0 | NR | 2 |
| RMP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RAATS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PRP | 0.001 | | 1 | NR | NR | NR | NR | 1 |
| PADS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ICIS | 0.001 | | 1 | NR | NR | NR | NR | 1 |
| FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MLTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH DOE | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RADINFO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOT OPS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 1 | 0 | 0 | 0 | NR | 1 |
| 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 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US AIRS | 0.001 | | 0 | 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 | 0.001 | 1 | 1 | NR | NR | NR | NR | 2 |
| ECHO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOCKET HWC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA BOND EXP. PLAN | 1.000 | 1 | 0 | 1 | 0 | 2 | NR | 4 |
| Cortese | 0.500 | | 0 | 4 | 7 | NR | NR | 11 |
| CUPA Listings | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| <u>Database</u> | <u>Search Distance (Miles)</u> | <u>Target Property</u> | <u>< 1/8</u> | <u>1/8 - 1/4</u> | <u>1/4 - 1/2</u> | <u>1/2 - 1</u> | <u>> 1</u> | <u>Total Plotted</u> |
|-----------------|--|----------------------------|-----------------|------------------|------------------|----------------|---------------|--------------------------|
|-----------------|--|----------------------------|-----------------|------------------|------------------|----------------|---------------|--------------------------|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property
GARDENA VALLEY LANDFILL 1
BTW DEL AMO TORRANCE MAIN
CARSON, CA 90745

HIST CORTESE **S105023089**
N/A

Site 1 of 5 in cluster A

Actual:
26 ft.
HIST CORTESE:
edr_fname: GARDENA VALLEY LANDFILL 1
edr_fadd1: BTW DEL AMO TORRANCE MAIN
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19490203

A2
Target
Property
GARDENA VALLEY LANDFILL 1 & 2
BTW DEL AMO,TORRANCE,MAIN,FIGUEROA ST
CARSON, CA 90745

ENVIROSTOR **S101272751**
VCP **N/A**
HIST Cal-Sites
DEED

Site 2 of 5 in cluster A

Actual:
26 ft.
ENVIROSTOR:
Name: GARDENA VALLEY LANDFILL 1 & 2
Address: BTW DEL AMO,TORRANCE,MAIN,FIGUEROA ST
City,State,Zip: CARSON, CA 90745
Facility ID: 19490203
Status: Certified O&M - Land Use Restrictions Only
Status Date: 04/28/1989
Site Code: 401767
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 14.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: REM, DAY, ELD, HOS, LUC, EX, NDEV, NSUB, SCH, RES
Funding: Responsible Party
Latitude: 33.84340
Longitude: -118.2818
APN: NONE SPECIFIED
Past Use: LANDFILL - HAZARDOUS WASTE
Potential COC: * HOUSEHOLD WASTES * Pesticides - Wastes From Production *
CONTAMINATED SOIL * Sludge - Paint
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: GARDENA VALLEY SOILS
Alias Type: Alternate Name
Alias Name: 110033619662
Alias Type: EPA (FRS #)
Alias Name: 300068
Alias Type: Site Code - Historical
Alias Name: P42019
Alias Type: PCode

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Alias Name: 300068
Alias Type: Project Code (Site Code)
Alias Name: 400068
Alias Type: Project Code (Site Code)
Alias Name: 401400
Alias Type: Project Code (Site Code)
Alias Name: 401767
Alias Type: Project Code (Site Code)
Alias Name: 19490203
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 06/28/1999
Comments: Approval of Remedial Design. The Remedial Design consists of five major tasks: site cleaning and grubbing, earthwork, grading, cap construction, stormwater conveyance system, landfill gas collection and treatment system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/10/1991
Comments: Approval of Wastefill FS Report sent to RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 07/07/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/13/2009
Comments: Proponent requested that Reimbursement Agreement be terminated.
Closeout Memo issued to Cost Recovery.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 06/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 04/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/28/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/19/2008
Comments: A Reimbursement Agreement for consultative services with the SM Coyne
Company was fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 02/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 02/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2019
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

VCP:

Name: GARDENA VALLEY LANDFILL 1 & 2
Address: BTW DEL AMO, TORRANCE, MAIN, FIGUEROA ST
City, State, Zip: CARSON, CA 90745
Facility ID: 19490203
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: REM, DAY, ELD, HOS, LUC, EX, NDEV, NSUB, SCH, RES
Acres: 14.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Site Code: 401767
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Certified O&M - Land Use Restrictions Only
Status Date: 04/28/1989
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 33.84340 / -118.2818
APN: NONE SPECIFIED
Past Use: LANDFILL - HAZARDOUS WASTE
Potential COC: 10008, 10077, 10097, 10179
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: GARDENA VALLEY SOILS
Alias Type: Alternate Name
Alias Name: 110033619662
Alias Type: EPA (FRS #)
Alias Name: 300068
Alias Type: Site Code - Historical
Alias Name: P42019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Alias Type: PCode
Alias Name: 300068
Alias Type: Project Code (Site Code)
Alias Name: 400068
Alias Type: Project Code (Site Code)
Alias Name: 401400
Alias Type: Project Code (Site Code)
Alias Name: 401767
Alias Type: Project Code (Site Code)
Alias Name: 19490203
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 06/28/1999
Comments: Approval of Remedial Design. The Remedial Design consists of five major tasks: site cleaning and grubbing, earthwork, grading, cap construction, stormwater conveyance system, landfill gas collection and treatment system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/10/1991
Comments: Approval of Wastefill FS Report sent to RPs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 01/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 07/07/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2018
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/13/2009
Comments: Proponent requested that Reimbursement Agreement be terminated.
Closeout Memo issued to Cost Recovery.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 06/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 04/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/28/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/19/2008
Comments: A Reimbursement Agreement for consultative services with the SM Coyne
Company was fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 02/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 02/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2019
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

Calsite:

Name: GARDENA VALLEY LANDFILL 1 & 2
Address: BTW DEL AMO,TORRANCE,MAIN,FIGUEROA ST
City: CARSON
Region: CYPRESS
Facility ID: 19490203
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 03041998
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: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: SSAYED
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: Not reported
State Assembly District Code: 55
State Senate District Code: 28
Facility ID: 19490203
Activity: DEED
Activity Name: DEED RESTRICTIONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04281989
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: 19490203
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: AGREE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04301989
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: 19490203
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: 01301990
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

| | |
|-------------------------------|---|
| 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: | 19490203 |
| Activity: | RIFS |
| Activity Name: | REMEDIATION INVESTIGATION / FEASIBILITY STUDY |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 09101991 |
| 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: | 19490203 |
| 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: | 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 |
| 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 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19490203
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
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
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: 19490203
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: A MOD
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09141994
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: 19490203
Activity: DES
Activity Name: DESIGN
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Revised Due Date: Not reported
Comments Date: 06281999
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: BTW DEL AMO,TORRANCE,MAIN,FIGUEROA ST
Alternate City,St,Zip: CARSON, CA 90745
Background Info: The site project consists of a portion of adjacent, former former Class II landfills. The landfills were permitted to receive industrial and municipal wastes and operated from November 1956, to October 1959. These landfills accepted 635,500 cubic yards of soil and wastes. The wastes were approximately 75 percent residential refuse and 25 percent other wastes, including liquid industrial waste. Sample results show that metals, chlorinated solvents, petroleum constituents, DDT and vinyl chloride are present. Methane gas escaping via the soil surface may pose a fire and explosion hazard for proposed commercial development unless gas is controlled. Other subsurface gases contain contaminants including vinyl chloride, chlorinated solvents and petroleum constituents. A mobile home park, church, and retail businesses border the site, which is fenced. The effect of the landfill on groundwater is currently being investigated. The Department entered into an agreement with the RPs in April 1989. Two interim RI reports have been submitted by the RPs. Based on the Department's review of these reports, additional groundwater investigation was ordered.

Comments Date: 01011985
Comments: Self-Monitoring: Sample plan approved by DHS.
Comments Date: 05011985
Comments: Sample Results: One sampling point from top 12" of fill
Comments Date: 05011985
Comments: contained concentrations of 4,4-DDT in excess of state
Comments Date: 05011985
Comments: standards. No carcinogens were found. Waste passed the PH
Comments Date: 05011985
Comments: criteria non-corrosive. Site does generate landfill gas,
Comments Date: 05011985
Comments: 1544 pounds/day.
Comments Date: 06281999
Comments: Approval of Remedial Design. The Remedial Design consists of
Comments Date: 06281999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1 & 2 (Continued)

S101272751

Comments: five major tasks: site cleaning and grubbing, earthwork,
Comments Date: 06281999
Comments: grading, cap construction, stormwater conveyance system,
Comments Date: 06281999
Comments: landfill gas collection and treatment system.
Comments Date: 06281999
Comments: Not reported
Comments Date: 07251991
Comments: Landfill. Contaminants include metals, chlorinated solvents,
Comments Date: 07251991
Comments: benzene, petroleum constituents, DDT, and vinyl chloride.
Comments Date: 07251991
Comments: Site is located in the block bounded by Del Amo Blvd,
Comments Date: 07251991
Comments: Torrance Blvd, Main St, and Figueroa St.
Comments Date: 09101991
Comments: Approval of Wastefill FS Report sent to RPs.
Comments Date: 12301987
Comments: Hazard Ranking completed. Score 14.16 sent to BEP. HQ
Comments Date: 12301987
Comments: received 07/07/87. Two-hundred drums of paint sludge buried.
ID Name: CALSTARS CODE
ID Value: 400068
ID Name: BEP DATABASE PCODE
ID Value: P42019
Alternate Name: GARDENA VALLEY LANDFILL 1 & 2
Alternate Name: GARDENA VALLEY SOILS
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

DEED:

Name: GARDENA VALLEY LANDFILL 1 & 2
Address: BTW DEL AMO, TORRANCE, MAIN, FIGUEROA ST
City, State, Zip: CARSON, CA 90745
Envirostor ID: 19490203
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

**A3
Target
Property**

**GARDENA VALLEY LANDFILL NOS. 1 AND 2
BLOCK BOUNDED BY DEL AMO BLVD, TORRANCE BLVD., MAI
CARSON, CA 90745**

**CA BOND EXP. PLAN S105960467
N/A**

Site 3 of 5 in cluster A

**Actual:
26 ft.**

CA BOND EXP. PLAN:
Responsible 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: At this time it appears that DHS will need to utilize Bond funds to remediate

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

GARDENA VALLEY LANDFILL NOS. 1 AND 2 (Continued)

S105960467

Site Description: this site. DHS will issue an order to the RPs. If the RPs do not comply with the order, DHS will initiate the noncompliance process. If Bond funds are used, DHS will seek cost recovery for its direct expenditures as well as staff costs and overhead related to the project. This site consists of adjacent, former Class II landfills totalling 35.7 acres. The landfills were permitted to receive industrial and municipal wastes and operated from November, 1956 to October, 1959. The site is now split into several parcels.

Hazardous Waste Desc: These landfills accepted 635,500 cubic yards of soil and wastes. The wastes were approximately 75 percent residential refuse and 25 percent other wastes, including liquid industrial waste. Sample results show that metals, chlorinated solvents, petroleum constituents, DDT and vinyl chloride are present.

Threat To Public Health & Env: Methane gas escaping at the soil surface may pose a fire and explosion hazard for proposed development unless gas is controlled. Subsurface gases contain contaminants including vinyl chloride, chlorinated solvents and petroleum constituents. The effect of the landfill on ground water has not been determined.

Site Activity Status: DHS has been attempting to enter into an enforceable agreement or consent order with the responsible parties for one portion of the site. Negotiations to date have not resulted in an agreement. In order to proceed with site investigation and remediation, it may be necessary to utilize State Bond funds. Work on the remaining portions of the site is not scheduled to begin until after a remedial action order has been issued. At this time, the projected date for issuing the remedial action order for the remaining portions of the site is September, 1990.

**A4
 Target
 Property**

**GARDENA VALLEY LANDFILL 1 & 2
 BTW DEL AMO
 CARSON, CA 90745**

**FINDS 1010737952
 N/A**

Site 4 of 5 in cluster A

**Actual:
 26 ft.**

FINDS:
 Registry ID: 110033619662

Click Here:

Environmental Interest/Information System:

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5 GARDENA VALLEY LANDFILL 1&2
Target MAIN ST & FIGUEROA
Property CARSON, CA 90775

SEMS-ARCHIVE 1003877957
CAD982399883

Site 5 of 5 in cluster A

Actual:
26 ft.

SEMS Archive:
Site ID: 0900035
EPA ID: CAD982399883
Name: GARDENA VALLEY LANDFILL 1&2
Address: MAIN ST & FIGUEROA
Address 2: Not reported
City,State,Zip: CARSON, CA 90775
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

SEMS Archive Detail:

Region: 09
Site ID: 0900035
EPA ID: CAD982399883
Site Name: GARDENA VALLEY LANDFILL 1&2
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: 0900035
EPA ID: CAD982399883
Site Name: GARDENA VALLEY LANDFILL 1&2
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1988-02-01 05:00:00
Finish Date: 1988-02-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900035
EPA ID: CAD982399883
Site Name: GARDENA VALLEY LANDFILL 1&2
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY LANDFILL 1&2 (Continued)

1003877957

Start Date: Not reported
Finish Date: 1989-08-07 04:00:00
Qual: N
Current Action Lead: EPA Perf

**NPL
Region
NNW
1/4-1/2
1853 ft.**

**DEL AMO
DEL AMO BLVD AND VERMONT AVE
LOS ANGELES, CA 90502**

**NPL 1000483853
SEMS CAD029544731
US ENG CONTROLS
US INST CONTROLS
ENVIROSTOR
HIST Cal-Sites
DEED
ROD
PRP
Cortese
HIST CORTESE**

NPL:

EPA Region: 9
EPA ID: CAD029544731
Site ID: 901293
Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90502
Federal: N
Final Date: 2002-09-05 00:00:00
Latitude: 33.846639
Longitude: -118.289472
Site Score: 47.119999999999997

NPL:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
CAS Number: Not reported
Substance: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: C049
CAS Number: 100-41-4
Substance: ETHYLBENZENE
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U019
CAS Number: 71-43-2
Substance: BENZENE
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U019
CAS Number: 71-43-2
Substance: BENZENE
Pathway: GROUND WATER PATHWAY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

| | |
|---------------|----------------------------|
| Scoring: | 4 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U135 |
| CAS Number: | 7783-06-4 |
| Substance: | HYDROGEN SULFIDE |
| Pathway: | GROUND WATER PATHWAY |
| Scoring: | 3 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U165 |
| CAS Number: | 91-20-3 |
| Substance: | NAPHTHALENE |
| Pathway: | GROUND WATER PATHWAY |
| Scoring: | 2 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U165 |
| CAS Number: | 91-20-3 |
| Substance: | NAPHTHALENE |
| Pathway: | GROUND WATER PATHWAY |
| Scoring: | 4 |

Summary Details:

Conditions at Proposal December 1, 2000): The Del Amo site should be placed on the National Priorities List (NPL) because contaminated ground water beneath the site could effect water that people drink. The Del Amo site is located within the Los Angeles city limits, Los Angeles County, California, in proximity to the Cities of Torrance and Carson. From the early 1940s to the early 1970s, a 280-acre synthetic rubber manufacturing facility operated on the property. The facility consisted of the following three plants: a butadiene plant, a styrene plant, and a copolymer plant. The facility was dismantled in the early to mid 1970s, and the property is currently occupied by a business park. The Montrose Chemical Corporation NPL site is located approximately 600 feet west of the Del Amo site. The 1998 Final Groundwater Remedial Investigation Report identified the following 12 areas of concern for ground water contamination on the Del Amo site: 1) cyclohexane tanks associated with the former copolymer plant in the northern portion of the site, 2) pits and trenches in the former copolymer plant area, 3) XMW-20 non-aqueous phase liquid (NAPL) in the former styrene plant area in the western portion of the site, 4) volatile organic compound (VOC) tanks associated with the former styrene finishing/ben ene purification unit, 5) VOC tanks and/or pipelines associated with the former styrene finishing unit, 6) tank farm in the former styrene plant area, 7) VOC storage tanks associated with the former ethylben ene production unit number 1, 8) VOC storage tanks associated with the former ethylben ene production unit number 2, 9) utility tanks in the former styrene plant area, 10) waste pit area and underground petroleum pipelines in the southern portion of the site, 11) underground ben ene pipeline in the southeast portion of the site, and 12) laboratory underground pipelines in the former butadiene plant area in the eastern portion of the site. The Del Amo HRS Documentation Record focuses on two of these 12 areas of concern (the XMW-20 NAPL and the waste pit area). The XMW-20 NAPL is composed primarily of ben ene (90 percent) with lesser quantities of toluene, ethylben ene, and styrene. It is located approximately 50 feet from the historic location of a 500,000-gallon crude ben ene storage tank and extends laterally over an area of approximately 17,500 feet. The NAPL is limited to the saturated one, occurring as isolated blobs in a smear that extends vertically from the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

water table, at approximately 60 feet below ground surface, to 30 feet below the water table. The waste pit area occupies approximately 3.7 acres in the southern portion of the site and consists of six disposal pits (Pits 2A through 2F) and two evaporation ponds (Ponds 1B and 1C). The pits and ponds received process wastes from the styrene manufacturing plant. The pits and ponds are currently covered with fill material, weeds, and miscellaneous debris, and the 3.7-acre parcel is surrounded by a double row of fences. Hazardous substances in the waste remaining in the pits and ponds include benzene, ethylbenzene, and naphthalene. The pits and ponds are evaluated as two separate sources in the Del Amo HRS Documentation Record. Ground water proximal to the XMW-20 NAPL is contaminated with benzene at concentrations up to 1,200,000 ug/L. Soils located beneath the waste pit area have come to be located below the top of the water table, due to rising ground water levels. These soils are contaminated with the same hazardous substances that are found in the waste remaining in the pits (e.g., benzene, ethylbenzene, and naphthalene). There are 17 municipal drinking water wells within 4 miles of the Del Amo site. Status September 2002): EPA is considering various alternatives for this site. The description of the site release is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices. For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at <http://www.atsdr.cdc.gov/toxfaq.html> or by telephone at 1-888-42-ATSDR or 1-888-422-8737.

NPL:

NPL Name: DEL AMO

NPL:

EPA Region: 09
Site ID: 0901293
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 09/05/02
Date Proposed: 12/01/00

NPL:

Proposed Date: 12/01/2000
Final Date: 09/05/2002
Deleted Date: Not reported
NPL Status: Final

SEMS:

Site ID: 0901293
EPA ID: CAD029544731
Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City, State, Zip: LOS ANGELES, CA 90502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Cong District: 37
FIPS Code: 06037
Latitude: 33.846639
Longitude: -118.289472
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1992-09-01 04:00:00
Finish Date: 9/1/1992 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: TG
Action Name: TA GRANT
SEQ: 1
Start Date: 2001-09-28 04:00:00
Finish Date: 3/31/2003 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 1
Start Date: 1992-05-07 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2019-08-27 05:00:00
Finish Date: 9/29/2020 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 1997-09-05 04:00:00
Finish Date: 9/5/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 1991-09-30 04:00:00
Finish Date: 7/16/2018 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 2
Start Date: 1996-06-17 04:00:00
Finish Date: 6/17/1996 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: TW
Action Name: WITHDRAWN
SEQ: 1
Start Date: 1999-02-19 05:00:00
Finish Date: 2/19/1999 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 2
Start Date: 2002-09-05 04:00:00
Finish Date: 9/5/2002 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 2010-09-24 04:00:00
Finish Date: 9/24/2010 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: RD
Action Name: RD
SEQ: 1
Start Date: 1999-08-01 04:00:00
Finish Date: 9/18/2003 4:00:00 AM
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 4
Start Date: 2011-09-30 04:00:00
Finish Date: 9/30/2011 4:00:00 AM
Qual: R
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 2
Start Date: 2000-07-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 5
Start Date: 2014-10-01 05:00:00
Finish Date: 9/24/2015 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: CO
Action Name: RI/FS
SEQ: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Start Date: 1997-08-14 04:00:00
Finish Date: 3/30/1999 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 3
Start Date: 1999-03-30 05:00:00
Finish Date: 3/30/1999 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1998-06-02 04:00:00
Finish Date: 6/2/1998 4:00:00 AM
Qual: OR
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: ES
Action Name: ESI
SEQ: 1
Start Date: 1989-08-07 04:00:00
Finish Date: 8/7/1989 4:00:00 AM
Qual: G
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1997-09-25 04:00:00
Finish Date: 9/25/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2005-09-22 04:00:00
Finish Date: 9/22/2005 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-11-01 05:00:00
Finish Date: 11/1/1979 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1980-04-01 05:00:00
Finish Date: 4/1/1980 5:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

NPL: F
FF: N
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 3
Start Date: 2000-12-01 05:00:00
Finish Date: 12/1/2000 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1991-07-29 04:00:00
Finish Date: 7/29/1991 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1984-01-01 05:00:00
Finish Date: 1/1/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 2
Start Date: 2010-01-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 3
Start Date: 2011-03-29 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: BD
Action Name: PRP RI/FS
SEQ: 3
Start Date: 1995-10-28 04:00:00
Finish Date: 8/14/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: BE
Action Name: PRP RD
SEQ: 4
Start Date: 2003-09-18 04:00:00
Finish Date: 9/19/2012 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 3
Start Date: 1998-05-26 04:00:00
Finish Date: 9/28/2005 4:00:00 AM
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: BF
Action Name: PRP RA
SEQ: 3
Start Date: 2012-09-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02
Action Code: OM
Action Name: OM
SEQ: 1
Start Date: 2000-05-16 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02
Action Code: BD
Action Name: PRP RI/FS
SEQ: 1
Start Date: 1992-05-07 04:00:00
Finish Date: 9/5/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 01
Action Code: BD
Action Name: PRP RI/FS
SEQ: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Start Date: 1992-05-07 04:00:00
Finish Date: 9/30/2011 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 03
Action Code: OM
Action Name: OM
SEQ: 2

Start Date: 1998-09-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA
SEQ: 4
Start Date: 2005-09-28 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 01
Action Code: BE
Action Name: PRP RD
SEQ: 1
Start Date: 2015-08-25 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Action Code: BF
Action Name: PRP RA
SEQ: 2
Start Date: 1999-05-18 04:00:00
Finish Date: 5/16/2000 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 2
Start Date: 1998-05-26 04:00:00
Finish Date: 5/3/1999 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0901293
EPA ID: CAD029544731
Site Name: DEL AMO
NPL: F
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1981-06-01 04:00:00
Finish Date: 1/1/1984 5:00:00 AM
Qual: H
Current Action Lead: St Perf

Site:

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90502
Event Code: Not reported
Action Taken Date: 09/30/2011
EPA ID: CAD029544731
Action Name: Record of Decision
Action ID: 4
Operable Unit: 01
Contaminated Media: Soil
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2011
NPL Status: Currently on the Final NPL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

Media:
EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 1
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 08/13/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2002
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 2
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 08/24/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2006
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Surface Water
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Groundwater
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Air
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/05/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

| | |
|----------------------------------|----------------------------|
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Groundwater |
| Action ID: | 3 |
| Operable Unit: | 03 |
| Action Name: | Record of Decision |
| Action Taken Date: | 03/30/1999 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| Federal Facility: | N |
| Fiscal Year: | 1999 |
| NPL Status: | Currently on the Final NPL |
| Superfund Alternative Agreement: | N |
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Groundwater |
| Action ID: | 3 |
| Operable Unit: | 03 |
| Action Name: | Record of Decision |
| Action Taken Date: | 03/30/1999 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| Federal Facility: | N |
| Fiscal Year: | 1999 |
| NPL Status: | Currently on the Final NPL |
| Superfund Alternative Agreement: | N |
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Groundwater |
| Action ID: | 3 |
| Operable Unit: | 03 |
| Action Name: | Record of Decision |
| Action Taken Date: | 03/30/1999 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| Federal Facility: | N |
| Fiscal Year: | 1999 |
| NPL Status: | Currently on the Final NPL |
| Superfund Alternative Agreement: | N |
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Groundwater |
| Action ID: | 3 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Groundwater
Action ID: 3
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Groundwater
Action ID: 3
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Groundwater
Action ID: 3
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Groundwater
Action ID: 3
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Groundwater
Action ID: 3
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

EPA ID: CAD029544731
Contaminated Media: Soil
Action ID: 4
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/30/2011
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2011
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

| | |
|----------------------------------|----------------------------|
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Free-phase NAPL |
| Action ID: | 4 |
| Operable Unit: | 01 |
| Action Name: | Record of Decision |
| Action Taken Date: | 09/30/2011 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| Federal Facility: | N |
| Fiscal Year: | 2011 |
| NPL Status: | Currently on the Final NPL |
| Superfund Alternative Agreement: | N |
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Soil |
| Action ID: | 4 |
| Operable Unit: | 01 |
| Action Name: | Record of Decision |
| Action Taken Date: | 09/30/2011 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| Federal Facility: | N |
| Fiscal Year: | 2011 |
| NPL Status: | Currently on the Final NPL |
| Superfund Alternative Agreement: | N |
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Soil |
| Action ID: | 4 |
| Operable Unit: | 01 |
| Action Name: | Record of Decision |
| Action Taken Date: | 09/30/2011 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| Federal Facility: | N |
| Fiscal Year: | 2011 |
| NPL Status: | Currently on the Final NPL |
| Superfund Alternative Agreement: | N |
| Latitude: | 33.846639 |
| Longitude: | -118.289472 |
| EPA ID: | CAD029544731 |
| Contaminated Media: | Soil Gas |
| Action ID: | 4 |
| Operable Unit: | 01 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Action Name: Record of Decision
Action Taken Date: 09/30/2011
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2011
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

US INST CONTROLS:

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
Action Name: Record of Decision
Action ID: 1
Operable Unit: 02
Actual Date: 09/05/1997
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
Action Name: Record of Decision
Action ID: 3
Operable Unit: 03
Actual Date: 03/30/1999
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
Action Name: Record of Decision
Action ID: 4
Operable Unit: 01
Actual Date: 09/30/2011
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2011
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
Action Name: Record of Decision
Action ID: 4
Operable Unit: 01
Actual Date: 09/30/2011
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2011
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
Action Name: Record of Decision
Action ID: 4
Operable Unit: 01
Actual Date: 09/30/2011
Contaminated Media: Soil Gas
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Fiscal Year: 2011
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.846639
Longitude: -118.289472

ENVIROSTOR:

Name: DEL AMO FACILITY
Address: DEL AMO BLVD & VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90020
Facility ID: 19300230
Status: Active
Status Date: 04/22/1996
Site Code: 401628
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 280
NPL: YES
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: REM, DAY, ELD, HOS, LUC, FEN, MON, NUSE, RES
Funding: Responsible Party
Latitude: 33.84969
Longitude: -118.292
APN: 7351031007, 7351031008, 7351031012, 7351031017, 7351031018,
7351031020, 7351031021, 7351031027, 7351031028, 7351031029,
7351031030, 7351031031, 7351033009, 7351033015, 7351033017,
7351033020, 7351033022, 7351033023, 7351033024, 7351033026,
7351033027, 7351033031, 7351033034, 7351033039, 7351033045,
7351033047, 7351033048, 7351033049, 7351033050, 7351033051,
7351033052, 7351033053, 7351033054, 7351033055, 7351033056,
7351033057, 7351033058, 7351033059, 7351033060, 7351033061,
7351033062, 7351034015, 7351034021, 7351034023, 7351034024,
7351034025, 7351034039, 7351034041, 7351034043, 7351034045,
7351034047, 7351034050, 7351034052, 7351034056, 7351034057,
7351034058, 7351034061, 7351034062, 7351034063, 7351034064,
7351034065, 7351034066, 7351034067, 7351034068, 7351034069,
7351034070, 7351034072, 7351034073, 7351034074, 7351034075,
7351034076, 7351034077, 7351034078, 7351034079, 7351034080, 7351034081
Not reported
Past Use: MANUFACTURING - OTHER
Potential COC: * HYDROCARBON SOLVENTS * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED
SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: AQUI, WELL
Alias Name: CADILLAC-FAIRVIEW
Alias Type: Alternate Name
Alias Name: DEL AMO BOULEVARD
Alias Type: Alternate Name
Alias Name: 7351031007

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Database(s)

EDR ID Number
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DEL AMO (Continued)

1000483853

| | |
|-------------|------------|
| Alias Type: | APN |
| Alias Name: | 7351031008 |
| Alias Type: | APN |
| Alias Name: | 7351031012 |
| Alias Type: | APN |
| Alias Name: | 7351031017 |
| Alias Type: | APN |
| Alias Name: | 7351031018 |
| Alias Type: | APN |
| Alias Name: | 7351031020 |
| Alias Type: | APN |
| Alias Name: | 7351031021 |
| Alias Type: | APN |
| Alias Name: | 7351031027 |
| Alias Type: | APN |
| Alias Name: | 7351031028 |
| Alias Type: | APN |
| Alias Name: | 7351031029 |
| Alias Type: | APN |
| Alias Name: | 7351031030 |
| Alias Type: | APN |
| Alias Name: | 7351031031 |
| Alias Type: | APN |
| Alias Name: | 7351033009 |
| Alias Type: | APN |
| Alias Name: | 7351033015 |
| Alias Type: | APN |
| Alias Name: | 7351033017 |
| Alias Type: | APN |
| Alias Name: | 7351033020 |
| Alias Type: | APN |
| Alias Name: | 7351033022 |
| Alias Type: | APN |
| Alias Name: | 7351033023 |
| Alias Type: | APN |
| Alias Name: | 7351033024 |
| Alias Type: | APN |
| Alias Name: | 7351033026 |
| Alias Type: | APN |
| Alias Name: | 7351033027 |
| Alias Type: | APN |
| Alias Name: | 7351033031 |
| Alias Type: | APN |
| Alias Name: | 7351033034 |
| Alias Type: | APN |
| Alias Name: | 7351033039 |
| Alias Type: | APN |
| Alias Name: | 7351033045 |
| Alias Type: | APN |
| Alias Name: | 7351033047 |
| Alias Type: | APN |
| Alias Name: | 7351033048 |
| Alias Type: | APN |
| Alias Name: | 7351033049 |
| Alias Type: | APN |
| Alias Name: | 7351033050 |
| Alias Type: | APN |

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

| | |
|-------------|------------|
| Alias Name: | 7351033051 |
| Alias Type: | APN |
| Alias Name: | 7351033052 |
| Alias Type: | APN |
| Alias Name: | 7351033053 |
| Alias Type: | APN |
| Alias Name: | 7351033054 |
| Alias Type: | APN |
| Alias Name: | 7351033055 |
| Alias Type: | APN |
| Alias Name: | 7351033056 |
| Alias Type: | APN |
| Alias Name: | 7351033057 |
| Alias Type: | APN |
| Alias Name: | 7351033058 |
| Alias Type: | APN |
| Alias Name: | 7351033059 |
| Alias Type: | APN |
| Alias Name: | 7351033060 |
| Alias Type: | APN |
| Alias Name: | 7351033061 |
| Alias Type: | APN |
| Alias Name: | 7351033062 |
| Alias Type: | APN |
| Alias Name: | 7351034015 |
| Alias Type: | APN |
| Alias Name: | 7351034021 |
| Alias Type: | APN |
| Alias Name: | 7351034023 |
| Alias Type: | APN |
| Alias Name: | 7351034024 |
| Alias Type: | APN |
| Alias Name: | 7351034025 |
| Alias Type: | APN |
| Alias Name: | 7351034039 |
| Alias Type: | APN |
| Alias Name: | 7351034041 |
| Alias Type: | APN |
| Alias Name: | 7351034043 |
| Alias Type: | APN |
| Alias Name: | 7351034045 |
| Alias Type: | APN |
| Alias Name: | 7351034047 |
| Alias Type: | APN |
| Alias Name: | 7351034050 |
| Alias Type: | APN |
| Alias Name: | 7351034052 |
| Alias Type: | APN |
| Alias Name: | 7351034056 |
| Alias Type: | APN |
| Alias Name: | 7351034057 |
| Alias Type: | APN |
| Alias Name: | 7351034058 |
| Alias Type: | APN |
| Alias Name: | 7351034061 |
| Alias Type: | APN |
| Alias Name: | 7351034062 |

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Alias Type: APN
Alias Name: 7351034063
Alias Type: APN
Alias Name: 7351034064
Alias Type: APN
Alias Name: 7351034065
Alias Type: APN
Alias Name: 7351034066
Alias Type: APN
Alias Name: 7351034067
Alias Type: APN
Alias Name: 7351034068
Alias Type: APN
Alias Name: 7351034069
Alias Type: APN
Alias Name: 7351034070
Alias Type: APN
Alias Name: 7351034072
Alias Type: APN
Alias Name: 7351034073
Alias Type: APN
Alias Name: 7351034074
Alias Type: APN
Alias Name: 7351034075
Alias Type: APN
Alias Name: 7351034076
Alias Type: APN
Alias Name: 7351034077
Alias Type: APN
Alias Name: 7351034078
Alias Type: APN
Alias Name: 7351034079
Alias Type: APN
Alias Name: 7351034080
Alias Type: APN
Alias Name: 7351034081
Alias Type: APN
Alias Name: 110033617548
Alias Type: EPA (FRS #)
Alias Name: P41013
Alias Type: PCode
Alias Name: 400048
Alias Type: Project Code (Site Code)
Alias Name: 400851
Alias Type: Project Code (Site Code)
Alias Name: 401628
Alias Type: Project Code (Site Code)
Alias Name: 19300230
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/17/2003
Comments: Completed PEA-equivalent document for proposed park area adjacent to the Del Amo Study Area.

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DEL AMO (Continued)

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Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/15/2009
Comments: U.S. EPA filed an Explanation of Significant Difference (ESD) for the Del Amo Pits treatment technology for the SVE System.

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/15/1997
Comments: Based on U.S. EPA decision to conduct a pilot test on an alternative SVE treatment technology, RP submitted workplan.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 10/10/2011
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/03/1999
Comments: Dropped RAO commitment because U.S. EPA is taking over enforcement.

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Remedial Action Plan
Completed Date: 03/30/1999
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 02/28/2010
Comments: Completed

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 05/20/1998
Comments: Completion of Remedial Investigation for the Groundwater Operable Unit, dated 5/5/98; and the Joint Groundwater Feasibility Study, dated 5/18/98, for the Del Amo Study Area, Groundwater Operable Unit, U.S. EPA Superfund site.

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 12/11/1996
Comments: The RI/FS for the Del Amo Pits Area (OU1) was approved. (U.S. EPA lead).

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Removal Action Completion Report

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DEL AMO (Continued)

1000483853

Completed Date: 01/15/1993
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: *Engineering Evaluation / Cost Analysis - Non-Time Critical
Completed Date: 12/31/1991
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/1989
Comments: Site Screening Done: U.S. EPA Lead. U.S. EPA will list site. Former synthetic rubber manufacturing plant. Contaminants include PAH's such as benzene, toluene, ethylbenzene, and PNAs.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/31/1988
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/04/2007
Comments: The purposes of the RI were to evaluate the nature and extent of NAPL and soils contaminants at the site and to provide sufficient data for completion of the Baseline Risk Assessment and Feasibility study. Also, the objective of the RI was to identify and evaluate likely contaminant sources areas. Based on those investigations, it was concluded that Benzene is a primary contaminant at some of the sources areas.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 09/09/2011
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/05/2012
Comments: Complete

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Feasibility Study Report
Completed Date: 03/26/2013
Comments: Complete

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/30/2013

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EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Comments: Complete

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Health & Safety Plan
Completed Date: 02/25/2013
Comments: Complete

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 06/09/2013
Comments: Completed

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/2015
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/06/2020
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/18/2015
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/18/2015
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2009
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Complete

Completed Area Name: OU 2

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DEL AMO (Continued)

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Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 09/27/2000
Comments: Land Use Covenant signed and recorded on 9/27/00 for the Pits operable unit.

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/03/1999
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/05/1998
Comments: Unilateral Administrative Order for Remedial Design for the Del Amo Superfund site. The Pits are an operable unit of the larger 280 acre site.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/07/1992
Comments: U.S. EPA Consent Order signed. Collected \$440,000 as cost recovery for past costs and all future oversight costs, to be billed to RP.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/31/1988
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/14/2011
Comments: Complete

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/23/2005
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2011
Comments: Complete

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Consent Decree
Completed Date: 06/22/2012
Comments: Not reported

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DEL AMO (Continued)

1000483853

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: OU 3
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/26/2012
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/26/2012
Comments: Complete

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 01/14/2016
Comments: Not reported

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2013
Comments: Complete

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2013
Comments: Completed

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2013
Comments: Complete

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2013
Comments: Completed

Completed Area Name: OU 2
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: OU 3
Completed Sub Area Name: Dual Phase Montrose/Del Amo
Completed Document Type: Annual Oversight Cost Estimate

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EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/04/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/13/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2025
Schedule Area Name: OU 1
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 12/30/2020
Schedule Revised Date: 06/10/2023
Schedule Area Name: OU 1
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction

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DEL AMO (Continued)

1000483853

Schedule Due Date: 06/27/2021
Schedule Revised Date: Not reported

Calsite:

Name: DEL AMO FACILITY
Address: DEL AMO BLVD & VERMONT AVE
City: LOS ANGELES
Region: CYPRESS
Facility ID: 19300230
Facility Type: NPRP
Type: NPL SITE, RP-FUNDED
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 04221996
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Listed
SIC Code: 30
SIC Name: MANU - RUBBER & MISC PLASTICS PRODUCTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: SSAYED
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: Not reported
State Assembly District Code: 55
State Senate District Code: 28
Facility ID: 19300230
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: CNSNT
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03311988
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

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DEL AMO (Continued)

1000483853

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19300230
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: 03311988
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: 19300230
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: 06301989
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: 19300230
Activity: FRIFS
Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

| | |
|-------------------------------|----------------------------------|
| Revised Due Date: | Not reported |
| Comments Date: | 12311991 |
| 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: | 19300230 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | I&SE |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 05071992 |
| 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: | 19300230 |
| Activity: | RA |
| Activity Name: | REMOVAL ACTION |
| AWP Code: | GW |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 01151993 |
| 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 |

Map ID
 Direction
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DEL AMO (Continued)

1000483853

| | |
|-------------------------------|--|
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| Removal Action Certification: | N |
| Activity Comments: | REMOVAL OF BENZENE PRODUCT FROM A GROUNDWATER WELL BEGAN IN FALL 1992.PUMP TESTING, OPERATION AND MAINTENANCE OF THIS WELL WILL CONTINUEUNTIL DATA INDICATES THAT THE OPERATION CAN CEASE. |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 19300230 |
| Activity: | RIFS |
| Activity Name: | REMEDIAL INVESTIGATION / FEASIBILITY STUDY |
| AWP Code: | PITS |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 12111996 |
| 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: | 19300230 |
| Activity: | RIFS |
| Activity Name: | REMEDIAL INVESTIGATION / FEASIBILITY STUDY |
| AWP Code: | GW |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 05201998 |
| 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 |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19300230
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: STUDY
Proposed Budget: 0
AWP Completion Date: 06302005
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: 19300230
Activity: DES
Activity Name: DESIGN
AWP Code: STUDY
Proposed Budget: 0
AWP Completion Date: 06302006
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: 19300230
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Comments Date: 03301999
Est Person-Yrs to complete: 0.20000
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
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: 19300230
Activity: DES
Activity Name: DESIGN
AWP Code: PITS
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05031999
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
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: 19300230
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: STUDY
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

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

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: 19300230
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: PITS
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09151997
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: 19300230
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: PITS
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05051998
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: 19300230

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Activity: DES
Activity Name: DESIGN
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: 06302005
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: 19300230
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: 06302006
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: 19300230
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: STUDY
Proposed Budget: 0
AWP Completion Date: 12302007
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

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: 19300230
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: PITS
Proposed Budget: 0
AWP Completion Date: 06302005
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: 19300230
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: PITOU
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05031999
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

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19300230
Activity: DEED
Activity Name: DEED RESTRICTIONS
AWP Code: PITOU
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09272000
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: 19300230
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: PITS
Proposed Budget: 0
AWP Completion Date: 06302036
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: 19300230
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: STUDY

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Proposed Budget: 0
AWP Completion Date: 06302036
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: 19300230
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: 12312036
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: 19300230
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

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

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: 19300230
Activity: PEA
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code: PARK
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12172003
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: DEL AMO BLVD BTN VERMONT & NORMANDIE
Alternate City,St,Zip: LOS ANGELES, CA 90502
Alternate Address: DEL AMO BLVD & VERMONT AVE
Alternate City,St,Zip: LOS ANGELES, CA 90020
Background Info: The site consists of waste disposal ponds that were used by a former synthetic rubber manufacturing complex. The site operated from the 1940's to 1972, when the disposal areas were covered over with soil and later sold to a series of land development corporations. Currently, the site is fenced and posted.
Not reported
The unlined pits were used for chemical waste disposal. Soils and groundwater are contaminated with high concentrations of volatile aromatic hydrocarbons (VAHs) such as benzene, toluene, and ethylbenzene; and polynuclear aromatic hydrocarbons (PNAs). The highest concentrations of these contaminants are found in the soils from the waste pit area. The contaminants in the shallow aquifer, which is not a drinking water source, may possibly migrate to and contaminate the deeper drinking water aquifer.
Not reported
A Consent Order was issued in March 1988, and three potentially responsible parties have completed the remedial investigation and are currently conducting the feasibility study. The Consent

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MAP FINDINGS

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Database(s)

EDR ID Number
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DEL AMO (Continued)

1000483853

Order only addresses the onsite soil contamination and not the groundwater contamination. U.S. EPA has completed a groundwater investigation for the site which concluded that there is hydraulic continuity between the uppermost contaminated aquifer and the local drinking water aquifer within two miles of the site.

Not reported

The site has been split into two operable units. One addresses the pits only, the other addresses the larger study area comprising of soils and groundwater contamination.

Not reported

U.S. EPA approved the dual site groundwater ROD on 3/30/1999 for both the Montrose and Del Amo sites. This ROD addresses the dissolved Monochlorobenzene plume emanating from the Montrose site to approximately Torrance Blvd. to the south. It also addresses the dissolved benzene groundwater plume emanating from the Del Amo site to just south of the Del Amo Pits. The plumes from both sites overlap each other to the east of Montrose and to the west of Del Amo, approximately around Normandie Avenue. These dissolved plumes are referred to as "GW1" in this report. The Montrose remedy consists of a pump and treat system with reinjection of treated water into the groundwater aquifer. The Del Amo remedy consists of intrinsic bioremediation with pumping for containment from the lower unit and subsequent discharge. The LNAPL at the Del Amo site will be dealt with along with the soils remedy, and is noted in this report as the Study Area. The DNAPL at the Montrose site will be evaluated separately and is noted as "GW2" in this report.

Comments Date: 01162003
Comments: Based on U.S. EPA decision to conduct a pilot test on an
Comments Date: 01162003
Comments: alternative SVE treatment technology, RP submitted workplan.
Comments Date: 02112000
Comments: The Pits Cap and SVE System has been implemented. The treatment
Comments Date: 02112000
Comments: technology for the SVE system has not yet been decided upon.
Comments Date: 03011997
Comments: The Remedial Investigation/Feasibility Study Report, "for the
Comments Date: 03011997
Comments: Pits only," was approved on 12/11/1996. A proposed plan was
Comments Date: 03011997
Comments: presented to the community on 12/14/96, and the comment
Comments Date: 03011997
Comments: period ended on 02/13/97. U.S. EPA is preparing the ROD and
Comments Date: 03011997
Comments: expecting to be completed by 06/30/1997.
Comments Date: 04091999
Comments: A joint groundwater ROD was signed on 03/30/1999. It addresses
Comments Date: 04091999
Comments: the dissolved phase contamination (benzene and chlorobenzene)
Comments Date: 04091999
Comments: for the Del Amo and Montrose sites.
Comments Date: 05051998
Comments: Unilateral Administrative Order for Remedial Design for the
Comments Date: 05051998
Comments: Del Amo Superfund site. The Pits are an operable unit of the

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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DEL AMO (Continued)

1000483853

Comments Date: 05051998
Comments: larger 280 acre site.
Comments Date: 05071992
Comments: U.S. EPA Consent Order signed. Collected \$440,000 as cost
Comments Date: 05071992
Comments: recovery for past costs and all future oversight costs, to be
Comments Date: 05071992
Comments: billed to RP.
Comments Date: 05071999
Comments: U.S. EPA has approved the Del Amo Pits Cap Final Design.
Comments Date: 05081999
Comments: U.S. EPA issued a Unilateral Administrative Order for Remedial
Comments Date: 05081999
Comments: Action, U.S. EPA Docket #99-08, to Shell Oil Co., Dow Chemical
Comments Date: 05081999
Comments: Co., Michelin North America and the U.S. General Services
Comments Date: 05081999
Comments: Administration to implement the Pits remedy.
Comments Date: 05201998
Comments: Completion of Remedial Investigation for the Groundwater Operable
Comments Date: 05201998
Comments: Unit, dated 5/5/98; and the Joint Groundwater Feasibility Study,
Comments Date: 05201998
Comments: dated 5/18/98, for the Del Amo Study Area, Groundwater Operable
Comments Date: 05201998
Comments: Unit, U.S. EPA Superfund site.
Comments Date: 06301989
Comments: Site Screening Done: U.S. EPA Lead. U.S. EPA will list site.
Comments Date: 06301989
Comments: Former synthetic rubber manufacturing plant. Contaminants
Comments Date: 06301989
Comments: include PAH's such as benzene, toluene, ethylbenzene, and PNAs.
Comments Date: 07122002
Comments: U.S. EPA filed an Explanation of Significant Difference (ESD)
Comments Date: 07122002
Comments: for the Del Amo Pits treatment technology for the SVE System.
Comments Date: 07231991
Comments: Site proposed for NPL.
Comments Date: 07241991
Comments: The site size now encompasses 280 acres rather than the
Comments Date: 07241991
Comments: former 3.7 acres.
Comments Date: 09051997
Comments: The final remedy of the Del Amo Pits Operable Unit consists of a
Comments Date: 09051997
Comments: RCRA-equivalent cap, surface water controls, soil vapor
Comments Date: 09051997
Comments: extraction beneath the pits, fencing, deed restrictions pro-
Comments Date: 09051997
Comments: hibiting future residential use, and long-term operation and
Comments Date: 09051997
Comments: maintenance.
Comments Date: 09271991
Comments: Dropped RAO commitment because U.S. EPA is taking over
Comments Date: 09271991
Comments: enforcement.
Comments Date: 09272000

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MAP FINDINGS

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Database(s)

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EPA ID Number

DEL AMO (Continued)

1000483853

Comments: Land Use Covenant signed and recorded on 9/27/00 for the Pits
Comments Date: 09272000
Comments: operable unit.
Comments Date: 12012001
Comments: The Health Risk Assessment has been received for review.
Comments Date: 12111996
Comments: The RI/FS for the Del Amo Pits Area (OU1) was approved.
Comments Date: 12111996
Comments: (U.S. EPA lead).
Comments Date: 12172003
Comments: Completed PEA-equivalent document for proposed park area
Comments Date: 12172003
Comments: adjacent to the Del Amo Study Area.
ID Name: CALSTARS CODE
ID Value: 400048
ID Name: BEP DATABASE PCODE
ID Value: P41013
Alternate Name: DEL AMO BOULEVARD
Alternate Name: DEL AMO FACILITY
Alternate Name: CADILLAC-FAIRVIEW
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

DEED:

Name: DEL AMO FACILITY
Address: DEL AMO BLVD & VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90020
Envirostor ID: 19300230
Area: OU 2
Sub Area: Not reported
Site Type: FEDERAL SUPERFUND
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: DEL AMO FACILITY
Address: DEL AMO BLVD & VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90020
Envirostor ID: 19300230
Area: OU 2
Sub Area: Not reported
Site Type: FEDERAL SUPERFUND
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

ROD:

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

RG: 9
Site ID: 901293
Action: GOVT Decision Document (ROD)
Operable Unit Number: GROUNDWATER
SEQ ID: 3
Action Completion: 1999-03-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
RG: 9
Site ID: 901293
Action: GOVT ESD
Operable Unit Number: WASTE PITS
SEQ ID: 1
Action Completion: 2002-08-13 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
RG: 9
Site ID: 901293
Action: GOVT ESD
Operable Unit Number: WASTE PITS
SEQ ID: 2
Action Completion: 2006-08-24 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
RG: 9
Site ID: 901293
Action: GOVT ROD for PRP Remedy
Operable Unit Number: WASTE PITS
SEQ ID: 1
Action Completion: 1997-09-05 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: DEL AMO
Address: DEL AMO BLVD AND VERMONT AVE
City,State,Zip: LOS ANGELES, CA 90502
EPA ID: CAD029544731
RG: 9
Site ID: 901293
Action: GOVT ROD for PRP Remedy
Operable Unit Number: SOIL AND NAPL
SEQ ID: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO (Continued)

1000483853

Longitude: -118.292
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:

edr_fname: DEL AMO FACILITY
edr_fadd1: DEL AMO BLVD & VERMONT AV
City,State,Zip: LOS ANGELES, CA 90020
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19300230

**NPL
Region
North
< 1/8
17 ft.**

**MONTROSE CHEMICAL CORP.
20201 S NORMANDIE AVE
TORRANCE, CA 90502**

**NPL 1000420366
SEMS CAD008242711
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
ROD
PRP
ICIS
CONSENT
FINDS**

NPL:

EPA Region: 9
EPA ID: CAD008242711
Site ID: 900993
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Federal: N
Final Date: 1989-10-04 00:00:00
Latitude: 33.848331
Longitude: -118.2983
Site Score: 32.100000000000001

NPL:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
CAS Number: Not reported
Substance: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A023
CAS Number: 72-55-9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|---------------|----------------------------|
| Substance: | DDE |
| Pathway: | AIR PATHWAY |
| Scoring: | 2 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U060 |
| CAS Number: | 72-54-8 |
| Substance: | DDD |
| Pathway: | AIR PATHWAY |
| Scoring: | 2 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U061 |
| CAS Number: | 50-29-3 |
| Substance: | DDT |
| Pathway: | AIR PATHWAY |
| Scoring: | 4 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U061 |
| CAS Number: | 50-29-3 |
| Substance: | DDT |
| Pathway: | GROUND WATER PATHWAY |
| Scoring: | 3 |
| NPL Status: | Currently on the Final NPL |
| Substance ID: | U061 |
| CAS Number: | 50-29-3 |
| Substance: | DDT |
| Pathway: | SURFACE WATER PATHWAY |
| Scoring: | 3 |

Summary Details:

Conditions at proposal October 15, 1984): Montrose Chemical Corp. manufactured DDT on a 13-acre site in a light industrial/residential area of Torrance, Los Angeles County, California, from 1947 until 1982. About 3,000 people live or work within 0.25 mile of the site. The company's operations included formulation, grinding, packaging, and distribution of DDT. According to analyses conducted by EPA, Montrose, and various State and local agencies, on- and off-site soils, surface water, and sediments are contaminated with DDT. The major transport mechanisms identified were storm water run-off and aerial emissions. On May 6, 1983, EPA issued an Administrative Order under CERCLA Section 106 requiring Montrose Chemical to cease all discharges of DDT and to initiate a study to determine the nature and extent of contamination. After a more detailed review of the Montrose site, EPA determined that further work was necessary to characterize the site and evaluate alternatives. Therefore, EPA prepared a workplan for a remedial investigation/feasibility study (RI/FS). This second phase of investigation will assess all areas of contamination, both on- and off-site, and any public health and environmental impacts. Status June 1986): In February 1985, Montrose installed a temporary asphalt cover over the site. EPA did not endorse this activity. In the summer of 1985, EPA conducted Part I of the RI. On-site sampling found high levels of contamination at 77-foot depths in soil and in shallow ground water. In October 1985, Montrose and EPA signed an Administrative Order under CERCLA Section 106 requiring Montrose to conduct Part II of the RI, which includes on-site sampling of ground water and off-site sampling of soil, sediments, surface water, and ground water.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Status November 1988): During July 1986, EPA sampled off-site dust and soil and verified that DDT migrated off-site via aerial dispersion. In November 1986, Montrose completed Phase I sampling under Part II of the RI. Results indicated that soils near the site are contaminated with high levels of DDT, and that the two shallower aquifers in the four-aquifer system underlying the site are contaminated with DDT and monochlorobene. In October 1987, EPA and Montrose signed an amendment to the October 1985 Administrative Order, calling for both on- and off-site sampling of the two deeper aquifers in the four-aquifer system. Status October 4, 1989): In July 1989, EPA and Montrose signed a second amendment to the original order, under which Montrose will conduct the FS for the overall site and evaluate options for removing DDT-contaminated sediments in the sanitary sewer lines near the site. Sampling conducted under the first amended order indicates that ground water is contaminated with high levels of monochlorobene 0.25 mile downgradient from the site. Deep wells and additional downgradient wells will be constructed and sampled.

NPL:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 100 Feet
Category Value: 400

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 100

NPL:

NPL Name: MONTROSE CHEMICAL CORP.

NPL:

EPA Region: 09
Site ID: 0900993
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 10/04/89
Date Proposed: 10/15/84

NPL:

Proposed Date: 10/15/1984
Final Date: 10/04/1989
Deleted Date: Not reported
NPL Status: Final

SEMS:

Site ID: 0900993
EPA ID: CAD008242711
Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
Cong District: 36,37,43
FIPS Code: 06037
Latitude: 33.848331

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Longitude: -118.298300
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: ED
Action Name: R/H ASMT
SEQ: 1
Start Date: 1992-03-01 05:00:00
Finish Date: 5/1/2017 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 4
Start Date: 2000-03-24 05:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RD
Action Name: RD
SEQ: 5
Start Date: 2009-07-22 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Action Code: TG
Action Name: TA GRANT
SEQ: 1
Start Date: 2000-04-07 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: RV
Action Name: RMVL
SEQ: 5
Start Date: 2007-12-03 05:00:00
Finish Date: 2/21/2008 5:00:00 AM
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: CO
Action Name: RI/FS
SEQ: 3
Start Date: 2003-07-17 04:00:00
Finish Date: 5/27/2009 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: AR
Action Name: ADMIN REC
SEQ: 6
Start Date: 2004-11-30 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NPL: F
FF: N
OU: 05
Action Code: RO
Action Name: ROD
SEQ: 4
Start Date: 2009-09-30 04:00:00
Finish Date: 9/30/2009 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: RV
Action Name: RMVL
SEQ: 3
Start Date: 2001-05-08 04:00:00
Finish Date: 9/26/2002 4:00:00 AM
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: RD
Action Name: RD
SEQ: 2
Start Date: 1999-08-01 04:00:00
Finish Date: 5/27/2003 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: CO
Action Name: RI/FS
SEQ: 2
Start Date: 1994-03-02 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 04
Action Code: RV
Action Name: RMVL
SEQ: 4
Start Date: 2001-04-12 04:00:00
Finish Date: 3/6/2002 5:00:00 AM
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 5
Start Date: 2000-08-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: RC
Action Name: RVL CRP
SEQ: 1
Start Date: 1994-04-11 04:00:00
Finish Date: 9/24/1998 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 2
Start Date: 1994-06-28 04:00:00
Finish Date: 6/28/1994 4:00:00 AM
Qual: V

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|----------------------|-------------------------|
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | RS |
| Action Name: | RV ASSESS |
| SEQ: | 1 |
| Start Date: | 1990-08-01 04:00:00 |
| Finish Date: | 8/1/1990 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 01 |
| Action Code: | ED |
| Action Name: | R/H ASMT |
| SEQ: | 2 |
| Start Date: | 1992-03-01 05:00:00 |
| Finish Date: | 5/1/2017 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | CR |
| Action Name: | CI |
| SEQ: | 1 |
| Start Date: | 1985-01-02 06:00:00 |
| Finish Date: | Not reported |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | CR |
| Action Name: | CI |
| SEQ: | 2 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Start Date: 1997-08-14 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: TS
Action Name: TRTSTUDY
SEQ: 1
Start Date: 1992-06-01 04:00:00
Finish Date: 8/12/1994 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2013-09-12 05:00:00
Finish Date: 8/28/2014 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1989-10-04 04:00:00
Finish Date: 10/4/1989 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1984-10-15 05:00:00
Finish Date: 10/15/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: RI
Action Name: RI
SEQ: 1
Start Date: 1985-01-01 06:00:00
Finish Date: 4/30/1986 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: FS
Action Name: FS
SEQ: 3
Start Date: 1997-08-14 04:00:00
Finish Date: 3/30/1999 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: EE
Action Name: EE/CA
SEQ: 2
Start Date: 1996-07-09 04:00:00
Finish Date: 9/28/2001 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 1989-04-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-01-01 05:00:00
Finish Date: 1/1/1980 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1991-12-11 05:00:00
Finish Date: 12/11/1991 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-04-01 06:00:00
Finish Date: 4/1/1984 6:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1999-03-30 05:00:00
Finish Date: 3/30/1999 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 2
Start Date: 1994-03-24 05:00:00
Finish Date: 9/30/2009 4:00:00 AM
Qual: S
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: RI
Action Name: RI
SEQ: 2
Start Date: 1998-01-08 05:00:00
Finish Date: 5/18/1998 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: AR
Action Name: ADMIN REC
SEQ: 3
Start Date: 1998-05-01 04:00:00
Finish Date: 6/30/1998 4:00:00 AM
Qual: E

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|----------------------|-------------------------|
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | AR |
| Action Name: | ADMIN REC |
| SEQ: | 1 |
| Start Date: | 1991-06-05 04:00:00 |
| Finish Date: | 6/5/1991 4:00:00 AM |
| Qual: | V |
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | HR |
| Action Name: | HAZRANK |
| SEQ: | 1 |
| Start Date: | 1988-06-01 04:00:00 |
| Finish Date: | 6/1/1988 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | PA |
| Action Name: | PA |
| SEQ: | 1 |
| Start Date: | 1984-04-01 06:00:00 |
| Finish Date: | 4/1/1984 6:00:00 AM |
| Qual: | H |
| Current Action Lead: | EPA Perf |
| Region: | 09 |
| Site ID: | 0900993 |
| EPA ID: | CAD008242711 |
| Site Name: | MONTROSE CHEMICAL CORP. |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | RV |
| Action Name: | RMVL |
| SEQ: | 1 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Start Date: 1994-04-11 04:00:00
Finish Date: 6/30/1999 4:00:00 AM
Qual: C
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 3
Start Date: 2001-02-15 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 02
Action Code: RI
Action Name: RI
SEQ: 3
Start Date: 1985-01-01 06:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 02
Action Code: EE
Action Name: EE/CA
SEQ: 3
Start Date: 2008-06-04 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Action Code: MA
Action Name: ST COOP
SEQ: 2
Start Date: 2010-10-07 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 7
Start Date: 2020-09-30 05:00:00
Finish Date: 9/30/2020 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RD
Action Name: RD
SEQ: 16
Start Date: 2013-08-22 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 06
Action Code: CO
Action Name: RI/FS
SEQ: 4
Start Date: 2005-10-01 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NPL: F
FF: N
OU: 04
Action Code: PD
Action Name: SITE SEC
SEQ: 1
Start Date: 2008-08-29 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 5
Start Date: 2010-05-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 2018-11-19 06:00:00
Finish Date: 9/11/2019 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: TA
Action Name: TECH ASSIST
SEQ: 1
Start Date: 2001-04-03 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 4
Start Date: 2015-09-30 05:00:00
Finish Date: 9/30/2015 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 6
Start Date: 2016-04-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RA
Action Name: RA
SEQ: 13
Start Date: 2009-09-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 05
Action Code: RA
Action Name: RA
SEQ: 14
Start Date: 2013-09-03 05:00:00
Finish Date: Not reported
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 4
Start Date: 2004-09-10 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 5
Start Date: 2018-09-06 05:00:00
Finish Date: 9/29/2020 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: NK
Action Name: PRP FS
SEQ: 3
Start Date: 1998-01-08 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 06
Action Code: BB
Action Name: PRP RV
SEQ: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Start Date: 2006-01-17 05:00:00
Finish Date: 1/17/2006 5:00:00 AM
Qual: S
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: BE
Action Name: PRP RD
SEQ: 2
Start Date: 2003-05-27 04:00:00
Finish Date: 9/19/2012 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: NK
Action Name: PRP FS
SEQ: 4
Start Date: 1998-01-08 05:00:00
Finish Date: 9/30/2020 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: OM
Action Name: OM
SEQ: 2
Start Date: 1998-09-30 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Action Code: BF
Action Name: PRP RA
SEQ: 1
Start Date: 2012-09-19 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 00
Action Code: BB
Action Name: PRP RV
SEQ: 2
Start Date: 1988-02-19 05:00:00
Finish Date: 3/31/1999 5:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 03
Action Code: NK
Action Name: PRP FS
SEQ: 2
Start Date: 1985-10-28 06:00:00
Finish Date: 8/14/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: BD
Action Name: PRP RI/FS
SEQ: 2
Start Date: 1986-10-10 04:00:00
Finish Date: 1/8/1998 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NPL: F
FF: N
OU: 00
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 1988-02-19 05:00:00
Finish Date: 6/21/1989 4:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 07
Action Code: BD
Action Name: PRP RI/FS
SEQ: 3
Start Date: 2008-09-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 01
Action Code: OM
Action Name: OM
SEQ: 7
Start Date: 2002-03-06 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09
Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 06
Action Code: NA
Action Name: PRP RI
SEQ: 1
Start Date: 2006-07-05 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Site ID: 0900993
EPA ID: CAD008242711
Site Name: MONTROSE CHEMICAL CORP.
NPL: F
FF: N
OU: 06
Action Code: BD
Action Name: PRP RI/FS
SEQ: 4
Start Date: 2016-11-04 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

RCRA-LQG:

Date Form Received by Agency: 2020-02-10 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Handler Address: 20201 SOUTH NORMANDIE AVENUE
Handler City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Contact Name: MICHAEL A PALMER
Contact Address: SCOTT STREET, SUITE 104
Contact City,State,Zip: SAN DIEGO, CA 92106
Contact Telephone: 619-546-8377
Contact Fax: Not reported
Contact Email: MPALMER@DEMAXIMIS.COM
Contact Title: PROJECT COORDINATOR
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2019
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: ERICKSEN AVENUE NE, SUITE 380
Mailing City,State,Zip: BAINBRIDGE ISLAND, WA 98110
Owner Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Owner Type: Private
Operator Name: MONTROSE CHEMICAL CORPORATION OF CALIFOR
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|--|-----------------------|
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2020-09-16 17:48:36.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Biennial: List of Years

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Year: 2013

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|--------------------|--|
| Waste Code: | D012 |
| Waste Description: | ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE) |
| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D019 |
| Waste Description: | CARBON TETRACHLORIDE |
| Waste Code: | D021 |
| Waste Description: | CHLOROBENZENE |
| Waste Code: | D022 |
| Waste Description: | CHLOROFORM |
| Waste Code: | D027 |
| Waste Description: | 1,4-DICHLOROBENZENE |
| Waste Code: | D033 |
| Waste Description: | HEXACHLOROBUTADIENE |
| Waste Code: | D034 |
| Waste Description: | HEXACHLOROETHANE |
| Waste Code: | D039 |
| Waste Description: | TETRACHLOROETHYLENE |
| Waste Code: | D040 |
| Waste Description: | TRICHLORETHYLENE |
| Waste Code: | U060 |
| Waste Description: | BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD |
| Waste Code: | U061 |
| Waste Description: | BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT |

Handler - Owner Operator:

| | |
|--------------------------------|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MONTROSE CHEMICAL COMPANY OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 600 ERICKSEN AVENUE NE, SUITE 380 |
| Owner/Operator City,State,Zip: | BAINBRIDGE ISLAND, WA 98110 |
| Owner/Operator Telephone: | 619-546-8377 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---------------------------|--|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MONTROSE CHEMICAL CORPORATION OF CALIFOR |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 600 ERICKSEN AVENUE NE, SUITE 380 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|--------------------------------|--|
| Owner/Operator City,State,Zip: | BAINBRIDGE ISLAND, WA 98110 |
| Owner/Operator Telephone: | 619-546-8377 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MONTROSE CHEMICAL CORP OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MONTROSE CHEMICAL COMPANY OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MONTROSE CHEMICAL CORPORATION OF CALIFOR |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 600 ERICKSEN AVENUE NE, SUITE 380 |
| Owner/Operator City,State,Zip: | BAINBRIDGE ISLAND, WA 98110 |
| Owner/Operator Telephone: | 619-546-8377 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MONTROSE CHEMICAL CORP. OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | P O BOX E |
| Owner/Operator City,State,Zip: | CITY NOT REPORTED, NJ 99999 |
| Owner/Operator Telephone: | 201-964-3250 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MONTROSE CHEMICAL CORP. OF CALIFORNIA |
| Legal Status: | Private |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|--------------------------------|--|
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | P O BOX E |
| Owner/Operator City,State,Zip: | UNION, NJ 07083 |
| Owner/Operator Telephone: | 201-964-3250 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MONTROSE CHEMICAL CORP. OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 600 ERICKSON AVE, NE, SUITE 380 |
| Owner/Operator City,State,Zip: | BAINBRIDGE ISLAND, WA 98110 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MONTROSE CHEMICAL COMPANY OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MONTROSE CHEMICAL CORPORATION OF CALIFOR |
| Legal Status: | Private |
| Date Became Current: | 1947-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 600 ERICKSEN AVENUE NE, SUITE 380 |
| Owner/Operator City,State,Zip: | BAINBRIDGE ISLAND, WA 98110 |
| Owner/Operator Telephone: | 619-546-8377 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MONTROSE CHEMICAL CORP. OF CALIFORNIA |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | P O BOX E |
| Owner/Operator City,State,Zip: | CITY NOT REPORTED, NJ 99999 |
| Owner/Operator Telephone: | 201-964-3250 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Historic Generators:

Receive Date: 2010-06-15 00:00:00.0
Handler Name: MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-12 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2020-02-10 00:00:00.0
Handler Name: MONTROSE CHEMICAL COMPANY OF CALIFORNIA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-01 00:00:00.0
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-07 00:00:00.0
Handler Name: MONTROSE CHEM CORP OF CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

NAICS Code: 32532
NAICS Description: PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|---|--------------|
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |
| Found Violation: | No |
| Agency Which Determined Violation: | Not reported |
| Violation Short Description: | Not reported |
| Date Violation was Determined: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Return to Compliance Qualifier: | Not reported |
| Violation Responsible Agency: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 1982-05-17 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1980-12-22 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Site:

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
Event Code: Not reported
Action Taken Date: 09/30/2009
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 4
Operable Unit: 05
Contaminated Media: Sediment
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Media:

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

EPA ID: CAD008242711
Contaminated Media: Surface Water
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 03/30/1999
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

EPA ID: CAD008242711
Contaminated Media: Sediment
Action ID: 4
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

US INST CONTROLS:

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 2
Operable Unit: 03
Actual Date: 03/30/1999
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1999
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
Action Name: Record of Decision
Action ID: 4
Operable Unit: 05
Actual Date: 09/30/2009
Contaminated Media: Sediment
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.848331
Longitude: -118.298300

ROD:

Name: MONTROSE CHEMICAL CORP.
Address: 20201 S NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD008242711
RG: 9
Site ID: 900993
Action: GOVT Decision Document (ROD)
Operable Unit Number: GROUNDWATER/NAPL (OU-03)
SEQ ID: 2
Action Completion: 1999-03-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

RHODIA INC
RHODIA INC
RONALD FLURY
RONALD FLURY
SHELL OIL COMPANY
SIMPSON INVESTMENT CO
SIMPSON PAPER COMPANY
STAUFFER MANAGEMENT COMPANY
STAUFFER MANAGEMENT COMPANY
STAUFFER MANAGEMENT COMPANY
STAUFFER MANAGEMENT COMPANY
ZENECA HOLDINGS INC
ZENECA HOLDINGS INC
ZENECA HOLDINGS INC

ICIS:

Enforcement Action ID: 09-2016-2507
FRS ID: 110002630608
Action Name: MONTROSE - ECOLOGY CONTROL INDUSTRIES UAO
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2016-2507
FRS ID: 110002630608
Action Name: MONTROSE - ECOLOGY CONTROL INDUSTRIES UAO
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2010-2518

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

FRS ID: 110002630608
Action Name: Montrose/Del Amo Superfund Sites Dual Site Groundwater OU RD/RA
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported
Enforcement Action ID: 09-2008-2530
FRS ID: 110002630608
Action Name: Montrose Chemical AOC with JCI Jones for RI/FS
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 122A/104A Agrmt For RI/FS
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 122/104
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported
Enforcement Action ID: 09-2008-2501
FRS ID: 110002630608
Action Name: Montrose Chemical - Shell Oil
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Tribal Land Code: Not reported

Enforcement Action ID: 09-2008-0009
FRS ID: 110002630608
Action Name: Montrose Cemical - Kenwood
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: CAD008242711
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-0133
FRS ID: 110002630608
Action Name: Montrose Chemical - Normandie (#2)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-0025
FRS ID: 110002630608
Action Name: Montrose Chemical - Normandie (#1)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2003-0114
FRS ID: 110002630608
Action Name: Montrose Chemical / Del Amo (#2)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2003-0060
FRS ID: 110002630608
Action Name: Montrose Chemical / Del Amo (#1)
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1998-0169
FRS ID: 110002630608
Action Name: MONTROSE - CBS/POTLATCH/SIMPSON
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2879

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1997-0048
FRS ID: 110002630608
Action Name: MONTROSE - LOS ANGELES COUNTY SANITATION DISTRICT
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1997-0009
FRS ID: 110002630608
Action Name: MONTROSE - UAO
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-1990-0012
FRS ID: 110002630608
Action Name: MONTROSE CHEMICAL CORPORATION OF CALIFORNIA
Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Facility Address: 20201 SOUTH NORMANDIE AVENUE
TORRANCE, CA 90502

Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: ICIS

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2879
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.84833
Longitude in Decimal Degrees: -118.2983
Permit Type Desc: Not reported
Program System Acronym: 10849
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
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SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
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SIC Code: Not reported

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|-------------------|---|
| SIC Code: | Not reported |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | Not reported |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | Not reported |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | Not reported |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
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| Tribal Indicator: | N |
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| NAIC Code: | Not reported |
| SIC Code: | Not reported |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | Not reported |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | 2869 |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | 2879 |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | 5191 |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Tribal Indicator: N
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NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
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SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|-------------------|---|
| SIC Code: | 2879 |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
| Fed Facility: | No |
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| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
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| SIC Code: | 2869 |

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Fed Facility: No
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SIC Code: 5191

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Address: 20201 SOUTH NORMANDIE AVENUE
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Fed Facility: No
NAIC Code: Not reported
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Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

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Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
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SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

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Tribal Indicator: N
Fed Facility: No
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SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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NAIC Code: Not reported
SIC Code: 5191

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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
|-------------------|---|
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | 5191 |
| Facility Name: | MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE) |
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Map ID
Direction
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MAP FINDINGS

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MONTROSE CHEMICAL CORP. (Continued)

1000420366

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NAIC Code: Not reported
SIC Code: 2879

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MAP FINDINGS

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Database(s)

EDR ID Number
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MONTROSE CHEMICAL CORP. (Continued)

1000420366

NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Map ID
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MAP FINDINGS

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EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

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Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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MONTROSE CHEMICAL CORP. (Continued)

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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

| | |
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| Address: | 20201 SOUTH NORMANDIE AVENUE |
| Tribal Indicator: | N |
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| Address: | 20201 SOUTH NORMANDIE AVENUE |

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
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Address: 20201 SOUTH NORMANDIE AVENUE
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Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
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Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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MONTROSE CHEMICAL CORP. (Continued)

1000420366

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| SIC Code: | 2869 |
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MAP FINDINGS

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MONTROSE CHEMICAL CORP. (Continued)

1000420366

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MONTROSE CHEMICAL CORP. (Continued)

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NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2869

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2879

Facility Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5191

CONSENT:

EPA ID: CAD008242711
Site ID: Not reported
Case Title: Not reported
Court Num: Not reported
District: Not reported
Entered Date: Not reported
Name: US V. MONTROSE CHEMICAL CORP.
Name: MONTROSE CHEMICAL (MONTROSE SUPERFUND SITE)
Address: 20201 SOUTH NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
County: Not reported

FINDS:

Registry ID: 110002630608

Click Here:

Environmental Interest/Information System:

California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor 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.

SUPERFUND NPL

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 WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MONTROSE CHEMICAL CORP. (Continued)

1000420366

that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B6

**PROCESS CONSTR CO INC (DEST)
 20700 S FIGUEROA ST
 CARSON, CA 90745**

LOS ANGELES CO. HMS

S103489700

< 1/8
 1 ft.

N/A

Site 1 of 3 in cluster B

**Relative:
 Higher**

LOS ANGELES CO. HMS:

**Actual:
 35 ft.**

Name: PROCESS CONSTR CO INC (DEST)
 Address: 20700 S FIGUEROA ST
 City,State,Zip: CARSON, CA 90745
 Region: LA
 Permit Category: Not reported
 Facility Id: 000612-I00616
 Facility Type: Not reported
 Facility Status: OPEN
 Area: 22
 Permit Number: Not reported
 Permit Status: Not reported

B7

**GARDENA VALLEY 1 & 2
 20740 S. FIGUEROA, 225-305W TORRANCE BL
 CARSON, CA 90745**

**SWF/LF
 CERS**

S102360891

< 1/8
 1 ft.

N/A

Site 2 of 3 in cluster B

**Relative:
 Higher**

SWF/LF (SWIS):

**Actual:
 39 ft.**

Name: GARDENA VALLEY 1 & 2
 Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City,State,Zip: CARSON, CA 90745
 Region: STATE
 Facility ID: 19-AQ-0010
 SWIS Number: 19-AQ-0010
 Point of Contact: Dawn Liang
 Is Archived: No
 Is Closed Illegal Abandoned: Yes
 Is Site Inert Debris Engineered Fill: No
 Is Financial Assurances Responsible: No
 Absorbed On: Not reported
 Operational Status: Closed
 Absorbed By: Not reported
 Closed Illegal Abandoned Category: A2
 EPA Federal Registry ID: Not reported
 ARB District: South Coast
 SWRCB Region: Los Angeles
 Local Government: Carson
 Reporting Agency Legal Name: County of Los Angeles
 Reporting Agency Department: Department of Public Health
 Enforcing Agency Legal Name: County of Los Angeles
 Enforcing Agency Department: Department of Public Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY 1 & 2 (Continued)

S102360891

Regulation Status: TBD (Pending Investigation)

Activity:

SWIS Number: 19-AQ-0010

Site Name: Gardena Valley 1 & 2

Activity: Solid Waste Disposal Site

Activity Is Archived: No

Category: Disposal

Activity Classification: Solid Waste Disposal Site

WDR Number: Not reported

WDR Landfill Class: Not reported

Cease Operation: 10/1/1959

Cease Operation Type: Estimated

Inspection Frequency: Quarterly

Throughput: Not reported

Throughput Units: Not reported

Remaining Capacity: Not reported

Remaining Capacity Date: Not reported

Capacity: Not reported

Capacity Units: Not reported

Total Acreage: 0

Disposal Acreage: 0

Permitted Elevation: Not reported

Permitted Elevation Type: Not reported

Permitted Depth: Not reported

Permitted Depth Type: Not reported

Point of Contact: Dawn Liang

Site Operational Status: Closed

Site Regulatory Status: TBD (Pending Investigation)

Site Is Archived: No

Is Closed Illegal Abandoned: Yes

Is Site Inert Debris Engineered Fill: No

Is Financial Assurances Responsible: No

Absorbed On: Not reported

Absorbed By: Not reported

Closed Illegal Abandoned Category: A2

EPA Federal Registry ID: Not reported

County: Los Angeles

ARB District: South Coast

SWRCB Region: Los Angeles

Local Government: Carson

Street Address: 20740 S. Figueroa, 225-305w Torrance bl

City: Carson

State: CA

ZIP Code: 90745

Reporting Agency Legal Name: County of Los Angeles

Reporting Agency Department: Department of Public Health

Enforcing Agency Legal Name: County of Los Angeles

Enforcing Agency Department: Department of Public Health

Owner:

SWIS Number: 19-AQ-0010

Owner: London Pacific Investments

Owner Address: 1010 Crenshaw Blvd Ste 100

Owner City: Torrance

Owner State: CA

Owner Zip: 90501

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY 1 & 2 (Continued)

S102360891

Site Name: Gardena Valley 1 & 2
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: TBD (Pending Investigation)
Latitude: 33.83333
Longitude: -118.28333
Is Archived: No
Started On: 10/23/1996
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (310) 787-1000

CERS:

Name: GARDENA VALLEY 1 & 2
Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
City,State,Zip: CARSON, CA
Site ID: 508839
CERS ID: 19-AQ-0010
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: London Pacific Investments
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Torrance
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90501
Affiliation Phone: 3107871000

B8

**GARDENA VALLEY 1 & 2
20740 S. FIGUEROA, 225-305W TORRANCE BL
CARSON, CA**

**RGA LF S114728111
N/A**

**< 1/8
1 ft.**

Site 3 of 3 in cluster B

**Relative:
Higher**

RGA LF:

Name: GARDENA VALLEY 1 & 2
Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
City: CARSON
State: CARSON
2012 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
BL

Name: GARDENA VALLEY 1 & 2
Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
City: CARSON
State: CARSON
2011 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
BL

Name: GARDENA VALLEY 1 & 2
Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
City: CARSON
State: CARSON
2010 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GARDENA VALLEY 1 & 2 (Continued)

S114728111

Name: BL
 Address: GARDENA VALLEY 1 & 2
 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City: CARSON
 State: CARSON
 2009 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
 BL
 Name: GARDENA VALLEY 1 & 2
 Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City: CARSON
 State: CARSON
 2008 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
 BL
 Name: GARDENA VALLEY 1 & 2
 Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City: CARSON
 State: CARSON
 2007 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
 BL
 Name: GARDENA VALLEY 1 & 2
 Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City: CARSON
 State: CARSON
 2006 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
 BL
 Name: GARDENA VALLEY 1 & 2
 Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City: CARSON
 State: CARSON
 2005 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
 BL
 Name: GARDENA VALLEY 1 & 2
 Address: 20740 S. FIGUEROA, 225-305W TORRANCE BL
 City: CARSON
 State: CARSON
 2004 GARDENA VALLEY 1 & 2 20740 S. FIGUEROA, 225-305W TORRANCE
 BL

C9
East
< 1/8
0.025 mi.
132 ft.

AMERICAN ENVIRONMENTAL SYSTEMS INC
20600 SOUTH MAIN STREET #87
CARSON, CA 90745

RCRA NonGen / NLR
FINDS
ECHO

1000360778
CAD982516171

Site 1 of 2 in cluster C

Relative:
Lower
Actual:
18 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 1989-02-15 00:00:00.0
 Handler Name: AMERICAN ENVIRONMENTAL SYSTEMS INC
 Handler Address: 20600 SOUTH MAIN STREET #87
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAD982516171
 Contact Name: ENVIRONMENTAL MANAGER
 Contact Address: 20600 SOUTH MAIN STREET #87
 Contact City,State,Zip: CARSON, CA 90745
 Contact Telephone: 213-327-2958
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMERICAN ENVIRONMENTAL SYSTEMS INC (Continued)

1000360778

| | |
|--|------------------------------|
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 4 |
| Mailing Address: | SOUTH MAIN STREET #87 |
| Mailing City, State, Zip: | CARSON, CA 90745 |
| Owner Name: | LA NORE J AND ROBERT PRINTUP |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | Yes |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN ENVIRONMENTAL SYSTEMS INC (Continued)

1000360778

Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2000-09-15 17:30:29.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: Not reported

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LA NORE J AND ROBERT PRINTUP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1989-02-15 00:00:00.0
Handler Name: AMERICAN ENVIRONMENTAL SYSTEMS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMERICAN ENVIRONMENTAL SYSTEMS INC (Continued)

1000360778

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110002838920

Click Here:

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: 1000360778
 Registry ID: 110002838920
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002838920>
 Name: AMERICAN ENVIRONMENTAL SYSTEMS INC
 Address: 20600 SOUTH MAIN STREET #87
 City,State,Zip: CARSON, CA 90745

C10
East
< 1/8
0.025 mi.
132 ft.

VISTA DEL AMO MOBILE HOME ESTATES
20600 S. MAIN ST.
CARSON, CA 99999
Site 2 of 2 in cluster C

SWF/LF **S102360895**
CERS **N/A**
LOS ANGELES CO LF METHANE

Relative:
Lower
Actual:
18 ft.

SWF/LF (SWIS):
 Name: VISTA DEL AMO MOBILE HOME ESTATES
 Address: 20600 S. MAIN ST.
 City,State,Zip: CARSON, CA 99999
 Region: STATE
 Facility ID: 19-AQ-5059
 SWIS Number: 19-AQ-5059
 Point of Contact: Dawn Liang
 Is Archived: Yes
 Is Closed Illegal Abandoned: No
 Is Site Inert Debris Engineered Fill: No
 Is Financial Assurances Responsible: No
 Absorbed On: Not reported
 Operational Status: Closed
 Absorbed By: Not reported
 Closed Illegal Abandoned Category: Not reported
 EPA Federal Registry ID: Not reported
 ARB District: South Coast
 SWRCB Region: Los Angeles
 Local Government: Carson

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA DEL AMO MOBILE HOME ESTATES (Continued)

S102360895

| | |
|---------------------------------------|-----------------------------|
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Unpermitted |
| Name: | WERDIN DUMP |
| Address: | 20600 MAIN STREET |
| City,State,Zip: | CARSON, CA 90745 |
| Region: | STATE |
| Facility ID: | 19-AQ-0017 |
| SWIS Number: | 19-AQ-0017 |
| Point of Contact: | Dawn Liang |
| Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Operational Status: | Closed |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | D |
| EPA Federal Registry ID: | Not reported |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Pre-regulation |
| Activity: | |
| SWIS Number: | 19-AQ-0017 |
| Site Name: | Werdin Dump |
| Activity: | Solid Waste Disposal Site |
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | Not reported |
| Cease Operation Type: | Not reported |
| Inspection Frequency: | Annual |
| Throughput: | 0 |
| Throughput Units: | Not reported |
| Remaining Capacity: | 0 |
| Remaining Capacity Date: | Not reported |
| Capacity: | 0 |
| Capacity Units: | Not reported |
| Total Acreage: | 0 |
| Disposal Acreage: | 0 |
| Permitted Elevation: | 0 |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | 0 |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Pre-regulation |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA DEL AMO MOBILE HOME ESTATES (Continued)

S102360895

Site Is Archived: No
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: D
EPA Federal Registry ID: Not reported
County: Los Angeles
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Street Address: 20600 Main Street
City: Carson
State: CA
ZIP Code: 90745
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Owner:

SWIS Number: 19-AQ-0017
Owner: Vista Loma Trailer Park
Owner Address: 20400 Main St.
Owner City: Carson
Owner State: CA
Owner Zip: Not reported
Site Name: Werdin Dump
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Pre-regulation
Latitude: 33.83333
Longitude: -118.27778
Is Archived: No
Started On: 1/12/1998
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

LOS ANGELES CO. LF:

Name: WERDIN DUMP
Address: 20600 SOUTH MAIN STREET
City,State,Zip: CARSON, CA
Site ID: 2056
Alt. Address: 20420 South Main Street, Carson, CA
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Designated Waste Landfill
Site SWIS Number: 19-AQ-0017
Beginning Operation Date: Dec-64
Ending Operation Date: Feb-68

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISTA DEL AMO MOBILE HOME ESTATES (Continued)

S102360895

Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 17
Permitted Capacity: Not reported
Present Use: Residential
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Inert
Hours of Operation: Not reported
Disposal Area (Acre): 8.69999999

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: Estate of Russell Werdin
Owner Address: 20600 Main St
Owner City/State/Zip: Carson, CA
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

CERS:

Name: WERDIN DUMP
Address: 20600 MAIN STREET
City,State,Zip: CARSON, CA
Site ID: 512968
CERS ID: 19-AQ-0017
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Vista Loma Trailer Park
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

LOS ANGELES CO LF METHANE:

Name: WERDIN DUMP
Address: 20600 SOUTH MAIN STREET
City,State,Zip: CARSON, CA
Site Number: 2056
Status: Closed
Description: Designated Waste Landfill
Operator Name: Unknown
Operator Telephone: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

D11
SW
 < 1/8
 0.034 mi.
 177 ft.

405 W. TORRANCE BLVD.
405 W. TORRANCE BLVD.
CARSON, CA 90745

US BROWNFIELDS **1023618807**
FINDS **N/A**

Site 1 of 2 in cluster D

Relative:
Higher
Actual:
33 ft.

US BROWNFIELDS:

Name: 405 W. TORRANCE BLVD.
 Address: 405 W. TORRANCE BLVD.
 City,State,Zip: CARSON, CA -
 Recipient Name: Carson, City of
 Grant Type: Assessment
 Property Number: -
 Parcel size: -
 Latitude: 33.842225
 Longitude: -118.283548
 HCM Label: Address Matching-House Number
 Map Scale: 100000
 Point of Reference: Entrance Point of a Facility or Station
 Highlights: -
 Datum: North American Datum of 1983
 Acres Property ID: 15044
 IC Data Access: -
 Start Date: -
 Redev Completion Date: -
 Completed Date: -
 Acres Cleaned Up: -
 Cleanup Funding: -
 Cleanup Funding Source: -
 Assessment Funding: -
 Assessment Funding Source: -
 Redevelopment Funding: -
 Redev. Funding Source: -
 Redev. Funding Entity Name: -
 Redevelopment Start Date: -
 Assessment Funding Entity: -
 Cleanup Funding Entity: -
 Grant Type: -
 Accomplishment Type: -
 Accomplishment Count: -
 Cooperative Agreement Number: 98944601
 Start Date: -
 Ownership Entity: -
 Completion Date: -
 Current Owner: -
 Did Owner Change: -
 Cleanup Required: -
 Video Available: -
 Photo Available: -
 Institutional Controls Required: -
 IC Category Proprietary Controls: -
 IC Cat. Info. Devices: -
 IC Cat. Gov. Controls: -
 IC Cat. Enforcement Permit Tools: -
 IC in place date: -
 IC in place: U
 State/tribal program date: -
 State/tribal program ID: -
 State/tribal NFA date: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

405 W. TORRANCE BLVD. (Continued)

1023618807

| | |
|-----------------------------------|--------------|
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controlled substance found: | - |
| Controlled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | Not reported |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |
| Other contaminants found: | - |
| Other contams found description: | - |
| PAHs found: | - |
| PAHs cleaned up: | - |
| PCBs found: | - |
| PCBs cleaned up: | - |
| Petro products found: | - |
| Petro products cleaned: | - |
| Sediments found: | - |
| Sediments cleaned: | - |
| Soil affected: | - |
| Soil cleaned up: | - |
| Surface water cleaned: | - |
| VOCs found: | - |
| VOCs cleaned: | - |
| Cleanup other description: | - |
| Num. of cleanup and re-dev. jobs: | - |
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

405 W. TORRANCE BLVD. (Continued)

1023618807

Chromium contaminant found: -
 Copper contaminant found: -
 Iron contaminant found: -
 Mercury contaminant found: -
 Nickel contaminant found: -
 No contaminant found: -
 Pesticides contaminant found: -
 Selenium contaminant found: -
 SVOCs contaminant found: -
 Unknown contaminant found: -
 Future Use: Multistory -
 Media affected Bluiding Material: -
 Media affected indoor air: -
 Building material media cleaned up: -
 Indoor air media cleaned up: -
 Unknown media cleaned up: -
 Past Use: Multistory Not reported
 Property Description: -
 Below Poverty Number: 453
 Below Poverty Percent: 10.92
 Meidan Income: 8660
 Meidan Income Number: 1118
 Meidan Income Percent: 26.95
 Vacant Housing Number: 87
 Vacant Housing Percent: 7.36
 Unemployed Number: 334
 Unemployed Percent: 8.05

FINDS:

Registry ID: 110060749882

Click Here:

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.

E12
South
< 1/8
0.038 mi.
198 ft.

315 TORRANCE BLVD.
315 TORRANCE BLVD.
CARSON, CA 90745
Site 1 of 5 in cluster E

US BROWNFIELDS **1023618754**
FINDS **N/A**

Relative:
Higher
Actual:
27 ft.

US BROWNFIELDS:
 Name: 315 TORRANCE BLVD.
 Address: 315 TORRANCE BLVD.
 City,State,Zip: CARSON, CA -
 Recipient Name: Carson, City of
 Grant Type: Assessment
 Property Number: -
 Parcel size: -
 Latitude: 33.842237
 Longitude: -118.282104
 HCM Label: Address Matching-House Number
 Map Scale: 100000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

315 TORRANCE BLVD. (Continued)

1023618754

| | |
|-----------------------------------|---|
| Point of Reference: | Entrance Point of a Facility or Station |
| Highlights: | - |
| Datum: | North American Datum of 1983 |
| Acres Property ID: | 15046 |
| IC Data Access: | - |
| Start Date: | - |
| Redev Completion Date: | - |
| Completed Date: | - |
| Acres Cleaned Up: | - |
| Cleanup Funding: | - |
| Cleanup Funding Source: | - |
| Assessment Funding: | - |
| Assessment Funding Source: | - |
| Redevelopment Funding: | - |
| Redev. Funding Source: | - |
| Redev. Funding Entity Name: | - |
| Redevelopment Start Date: | - |
| Assessment Funding Entity: | - |
| Cleanup Funding Entity: | - |
| Grant Type: | - |
| Accomplishment Type: | - |
| Accomplishment Count: | - |
| Cooperative Agreement Number: | 98944601 |
| Start Date: | - |
| Ownership Entity: | - |
| Completion Date: | - |
| Current Owner: | - |
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |
| IC Category Proprietary Controls: | - |
| IC Cat. Info. Devices: | - |
| IC Cat. Gov. Controls: | - |
| IC Cat. Enforcement Permit Tools: | - |
| IC in place date: | - |
| IC in place: | U |
| State/tribal program date: | - |
| State/tribal program ID: | - |
| State/tribal NFA date: | - |
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controlled substance found: | - |
| Controlled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | Not reported |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

315 TORRANCE BLVD. (Continued)

1023618754

Other contaminants found: -
Other contams found description: -
PAHs found: -
PAHs cleaned up: -
PCBs found: -
PCBs cleaned up: -
Petro products found: -
Petro products cleaned: -
Sediments found: -
Sediments cleaned: -
Soil affected: -
Soil cleaned up: -
Surface water cleaned: -
VOCs found: -
VOCs cleaned: -
Cleanup other description: -
Num. of cleanup and re-dev. jobs: -
Past use greenspace acreage: -
Past use residential acreage: -
Surface Water: -
Past use commercial acreage: -
Past use industrial acreage: -
Future use greenspace acreage: -
Future use residential acreage: -
Future use commercial acreage: -
Future use industrial acreage: -
Superfund Fed. landowner flag: -
Arsenic cleaned up: -
Cadmium cleaned up: -
Chromium cleaned up: -
Copper cleaned up: -
Iron cleaned up: -
mercury cleaned up: -
Nickel Cleaned Up: -
No clean up: -
Pesticides cleaned up: -
Selenium cleaned up: -
SVOCs cleaned up: -
Unknown clean up: -
Arsenic contaminant found: -
Cadmium contaminant found: -
Chromium contaminant found: -
Copper contaminant found: -
Iron contaminant found: -
Mercury contaminant found: -
Nickel contaminant found: -
No contaminant found: -
Pesticides contaminant found: -
Selenium contaminant found: -
SVOCs contaminant found: -
Unknown contaminant found: -
Future Use: Multistory -
Media affected Bluiding Material: -
Media affected indoor air: -
Building material media cleaned up: -
Indoor air media cleaned up: -
Unknown media cleaned up: -

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

315 TORRANCE BLVD. (Continued)

1023618754

| | |
|-------------------------|--------------|
| Past Use: Multistory | Not reported |
| Property Description: | - |
| Below Poverty Number: | 266 |
| Below Poverty Percent: | 9.07 |
| Meidan Income: | 4925 |
| Meidan Income Number: | 752 |
| Meidan Income Percent: | 25.64 |
| Vacant Housing Number: | 45 |
| Vacant Housing Percent: | 5.51 |
| Unemployed Number: | 257 |
| Unemployed Percent: | 8.76 |

FINDS:

Registry ID: 110060749775

Click Here:

Environmental Interest/Information System:

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[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E13
South
< 1/8
0.038 mi.
198 ft.

CITY OF CARSON - HICKS FAMILY PROPERTY
315 TORRANCE
CARSON, CA 90745

CPS-SLIC **S106387036**
CERS **N/A**

Site 2 of 5 in cluster E

Relative:
Higher

SLIC REG 4:
 Region: 4
 Facility Status: Site Assessment
 SLIC: 0496E3
 Substance: Not reported
 Staff: SSH

Actual:
27 ft.

CPS-SLIC:

| | |
|------------------------------------|--|
| Name: | CITY OF CARSON - HICKS FAMILY PROPERTY |
| Address: | 315 TORRANCE BLVD |
| City,State,Zip: | CARSON, CA 90745 |
| Region: | STATE |
| Facility Status: | Open - Inactive |
| Status Date: | 01/21/2015 |
| Global Id: | SLT43312310 |
| Lead Agency: | LOS ANGELES RWQCB (REGION 4) |
| Lead Agency Case Number: | Not reported |
| Latitude: | 33.842045 |
| Longitude: | -118.284561 |
| Case Type: | Cleanup Program Site |
| Case Worker: | AGH |
| Local Agency: | Not reported |
| RB Case Number: | 0496E3 |
| File Location: | Not reported |
| Potential Media Affected: | Not reported |
| Potential Contaminants of Concern: | Not reported |
| Site History: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF CARSON - HICKS FAMILY PROPERTY (Continued)

S106387036

Click here to access the California GeoTracker records for this facility:

CERS:

Name: CITY OF CARSON - HICKS FAMILY PROPERTY
 Address: 315 TORRANCE BLVD
 City,State,Zip: CARSON, CA 90745
 Site ID: 247486
 CERS ID: SLT43312310
 CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
 Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4th Street, Suite
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2135766725

14
 WSW
 < 1/8
 0.046 mi.
 241 ft.

**20740 FIGUEROA ST.
 20740 FIGUEROA ST.
 CARSON, CA 90745**

**US BROWNFIELDS 1023618664
 FINDS N/A**

**Relative:
 Higher**

US BROWNFIELDS:

**Actual:
 40 ft.**

Name: 20740 FIGUEROA ST.
 Address: 20740 FIGUEROA ST.
 City,State,Zip: CARSON, CA -
 Recipient Name: Carson, City of
 Grant Type: Assessment
 Property Number: -
 Parcel size: -
 Latitude: 33.842882
 Longitude: -118.284878
 HCM Label: Address Matching-House Number
 Map Scale: 100000
 Point of Reference: Entrance Point of a Facility or Station
 Highlights: -
 Datum: North American Datum of 1983
 Acres Property ID: 15043
 IC Data Access: -
 Start Date: -
 Redev Completion Date: -
 Completed Date: -
 Acres Cleaned Up: -
 Cleanup Funding: -
 Cleanup Funding Source: -
 Assessment Funding: -
 Assessment Funding Source: -
 Redevelopment Funding: -
 Redev. Funding Source: -
 Redev. Funding Entity Name: -
 Redevelopment Start Date: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20740 FIGUEROA ST. (Continued)

1023618664

Assessment Funding Entity: -
Cleanup Funding Entity: -
Grant Type: -
Accomplishment Type: -
Accomplishment Count: -
Cooperative Agreement Number: 98944601
Start Date: -
Ownership Entity: -
Completion Date: -
Current Owner: -
Did Owner Change: -
Cleanup Required: -
Video Available: -
Photo Available: -
Institutional Controls Required: -
IC Category Proprietary Controls: -
IC Cat. Info. Devices: -
IC Cat. Gov. Controls: -
IC Cat. Enforcement Permit Tools: -
IC in place date: -
IC in place: U
State/tribal program date: -
State/tribal program ID: -
State/tribal NFA date: -
Air cleaned: -
Asbestos found: -
Asbestos cleaned: -
Controlled substance found: -
Controlled substance cleaned: -
Drinking water affected: -
Drinking water cleaned: -
Groundwater affected: -
Groundwater cleaned: -
Lead contaminant found: -
Lead cleaned up: -
No media affected: Not reported
Unknown media affected: -
Other cleaned up: -
Other metals found: -
Other metals cleaned: -
Other contaminants found: -
Other contams found description: -
PAHs found: -
PAHs cleaned up: -
PCBs found: -
PCBs cleaned up: -
Petro products found: -
Petro products cleaned: -
Sediments found: -
Sediments cleaned: -
Soil affected: -
Soil cleaned up: -
Surface water cleaned: -
VOCs found: -
VOCs cleaned: -
Cleanup other description: -
Num. of cleanup and re-dev. jobs: -

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

20740 FIGUEROA ST. (Continued)

1023618664

| | |
|-------------------------------------|--------------|
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |
| Unknown contaminant found: | - |
| Future Use: Multistory | - |
| Media affected Bluiding Material: | - |
| Media affected indoor air: | - |
| Building material media cleaned up: | - |
| Indoor air media cleaned up: | - |
| Unknown media cleaned up: | - |
| Past Use: Multistory | Not reported |
| Property Description: | - |
| Below Poverty Number: | 460 |
| Below Poverty Percent: | 11.79 |
| Meidan Income: | 6990 |
| Meidan Income Number: | 1121 |
| Meidan Income Percent: | 28.74 |
| Vacant Housing Number: | 114 |
| Vacant Housing Percent: | 9.63 |
| Unemployed Number: | 310 |
| Unemployed Percent: | 7.95 |

FINDS:

Registry ID: 110060749622

Click Here:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

20740 FIGUEROA ST. (Continued)

1023618664

Environmental Interest/Information System:

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 electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access
 additional FINDS: detail in the EDR Site Report.

**15
 NW
 < 1/8
 0.049 mi.
 259 ft.**

**20500 FIGUEROA ST./20501 MAIN ST.
 20500 FIGUEROA ST./20501 MAIN ST.
 CARSON, CA 90745**

**US BROWNFIELDS
 FINDS**

**1023618662
 N/A**

**Relative:
 Higher
 Actual:
 33 ft.**

US BROWNFIELDS:

| | |
|----------------------------------|-----------------------------------|
| Name: | 20500 FIGUEROA ST./20501 MAIN ST. |
| Address: | 20500 FIGUEROA ST./20501 MAIN ST. |
| City,State,Zip: | CARSON, CA 90745 |
| Recipient Name: | Carson, City of |
| Grant Type: | Assessment |
| Property Number: | - |
| Parcel size: | - |
| Latitude: | 33.84543 |
| Longitude: | -118.280614 |
| HCM Label: | - |
| Map Scale: | - |
| Point of Reference: | - |
| Highlights: | - |
| Datum: | - |
| Acres Property ID: | 15049 |
| IC Data Access: | - |
| Start Date: | - |
| Redev Completion Date: | - |
| Completed Date: | - |
| Acres Cleaned Up: | - |
| Cleanup Funding: | - |
| Cleanup Funding Source: | - |
| Assessment Funding: | - |
| Assessment Funding Source: | - |
| Redevelopment Funding: | - |
| Redev. Funding Source: | - |
| Redev. Funding Entity Name: | - |
| Redevelopment Start Date: | - |
| Assessment Funding Entity: | - |
| Cleanup Funding Entity: | - |
| Grant Type: | - |
| Accomplishment Type: | - |
| Accomplishment Count: | - |
| Cooperative Agreement Number: | 98944601 |
| Start Date: | - |
| Ownership Entity: | - |
| Completion Date: | - |
| Current Owner: | - |
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20500 FIGUEROA ST./20501 MAIN ST. (Continued)

1023618662

IC Category Proprietary Controls: -
IC Cat. Info. Devices: -
IC Cat. Gov. Controls: -
IC Cat. Enforcement Permit Tools: -
IC in place date: -
IC in place: U
State/tribal program date: -
State/tribal program ID: -
State/tribal NFA date: -
Air cleaned: -
Asbestos found: -
Asbestos cleaned: -
Controlled substance found: -
Controlled substance cleaned: -
Drinking water affected: -
Drinking water cleaned: -
Groundwater affected: -
Groundwater cleaned: -
Lead contaminant found: -
Lead cleaned up: -
No media affected: Not reported
Unknown media affected: -
Other cleaned up: -
Other metals found: -
Other metals cleaned: -
Other contaminants found: -
Other contams found description: -
PAHs found: -
PAHs cleaned up: -
PCBs found: -
PCBs cleaned up: -
Petro products found: -
Petro products cleaned: -
Sediments found: -
Sediments cleaned: -
Soil affected: -
Soil cleaned up: -
Surface water cleaned: -
VOCs found: -
VOCs cleaned: -
Cleanup other description: -
Num. of cleanup and re-dev. jobs: -
Past use greenspace acreage: -
Past use residential acreage: -
Surface Water: -
Past use commercial acreage: -
Past use industrial acreage: -
Future use greenspace acreage: -
Future use residential acreage: -
Future use commercial acreage: -
Future use industrial acreage: -
Superfund Fed. landowner flag: -
Arsenic cleaned up: -
Cadmium cleaned up: -
Chromium cleaned up: -
Copper cleaned up: -
Iron cleaned up: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20500 FIGUEROA ST./20501 MAIN ST. (Continued)

1023618662

| | |
|-------------------------------------|--------------|
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |
| Unknown contaminant found: | - |
| Future Use: Multistory | - |
| Media affected Bluiding Material: | - |
| Media affected indoor air: | - |
| Building material media cleaned up: | - |
| Indoor air media cleaned up: | - |
| Unknown media cleaned up: | - |
| Past Use: Multistory | Not reported |
| Property Description: | - |
| Below Poverty Number: | 133 |
| Below Poverty Percent: | 8.4 |
| Meidan Income: | 5048 |
| Meidan Income Number: | 469 |
| Meidan Income Percent: | 29.63 |
| Vacant Housing Number: | 25 |
| Vacant Housing Percent: | 5.7 |
| Unemployed Number: | 126 |
| Unemployed Percent: | 7.96 |

FINDS:

Registry ID: 110060749579

Click Here:

Environmental Interest/Information System:

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MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F16 **ULTRASONIC CLEANING**
ESE **20730 S MAIN ST**
< 1/8 **CARSON, CA 90745**
0.058 mi.
306 ft. **Site 1 of 4 in cluster F**

CERS HAZ WASTE **S123503009**
CERS **N/A**

Relative:
Lower
Actual:
25 ft.

CERS HAZ WASTE:
Name: ULTRASONIC CLEANING
Address: 20730 S MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 164388
CERS ID: 10263511
CERS Description: Hazardous Waste Generator

CERS:
Name: ULTRASONIC CLEANING
Address: 20730 S MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 164388
CERS ID: 10263511
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 164388
Site Name: ULTRASONIC CLEANING
Violation Date: 06-11-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 06/23/2018. OBSERVATION: One 35-gallon container containing dichloromethane solution located at the back exterior storage area was covered by a piece of wood (not fully enclosed). CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 164388
Site Name: ULTRASONIC CLEANING
Violation Date: 06-11-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 06/26/2018. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. 2018 California Environmental Reporting System (CERS) submittal was missing/incomplete: Reviewed CERS submittals submitted on 4/18/18 and found the following to be updated on facility's Consolidated Emergency Response / Contingency Plan (CER/CP); - Box A10 for Hazardous Wastes need to be checked; - Missing the Local Unified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ULTRASONIC CLEANING (Continued)

S123503009

Program Agency (UPA/CUPA) phone number (323-890-4317) - Inaccurate Hazardous Materials (HM) quantities in the HM inventory; - Inaccurate Hazardous Wastes (HW) quantities in the HW inventory; **CORRECTIVE ACTION:** Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 164388
Site Name: ULTRASONIC CLEANING
Violation Date: 06-11-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 06/23/2018. The following containers of hazardous waste were observed with incomplete or no hazardous waste (HW) labels: - 1 x 55-gallon drum containing HW used dichloromethan waste liquids located at back exterior area was observed without a HW label; - 1 x 55-gallon drum containing HW used dichloromethan waste liquids located in the garage area was observed without a HW label; **CORRECTIVE ACTION:** Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 164388
Site Name: ULTRASONIC CLEANING
Violation Date: 06-11-2018
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7

Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violation Notes: Returned to compliance on 06/23/2018. **OBSERVATION:** The following used and empty containers/drums/cylinders were observed without a proper

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ULTRASONIC CLEANING (Continued)

S123503009

empty label: - 1 x 275-cuft. used and empty compressed gas cylinder for oxygen located inside the storage shop; - 1 x 85-cuft. used and empty compressed gas cylinder for acetylene located inside the storage shop; - 1 x 55-gallon used and empty container for cleaner/descaler located at the back exterior storage area; **CORRECTIVE ACTION:** Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.

Violation Division: Los Angeles County Fire Department

Violation Program: HW

Violation Source: CERS

Site ID: 164388

Site Name: ULTRASONIC CLEANING

Violation Date: 07-30-2020

Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)

Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 07/30/2020. **OBSERVATION:** The business failed to update business plan within 30 days when any of the following occurs: -a 100 percent or more increase in the quantity of a previously disclosed material; -any handling of a previously undisclosed hazardous material; -a change of business address, business ownership, or business name; -a substantial change in the handler's operations that requires modification to any portion of the business plan. Following HAZMAT incorrect and/or missing from CERS inventory: 1) 1 X 55 gal drum = Metro-Chem Foaming Acid Coil Cleaner **CORRECTIVE ACTION:** Reviewed/submitted CERS inventory update with operator & corrected on site.

Violation Division: Los Angeles County Fire Department

Violation Program: HMRRP

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-04-2015

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Bruce Lanfried - President, gave consent for the inspection. No violations observed during the walk-through.

Eval Division: Los Angeles County Fire Department

Eval Program: HW

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 06-04-2015

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Bruce Lanfried - President, gave consent for the inspection. No violations observed.

Eval Division: Los Angeles County Fire Department

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ULTRASONIC CLEANING (Continued)

S123503009

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Gerardo (Gerry) Marquez, General Manager The owner / operator was advised of proper hazardous waste management, hazardous materials handling, record-keeping, permit payment, and good business practices.

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Gerardo (Gerry) Marquez, General Manager The owner/operator was advised to update, review, and submit any and all information missing in the California Environmental Reporting System (CERS) online system.

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-30-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Jamie Lanfried, Owner Bruce Lanfried, Advisor
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-30-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jamie Lanfried, Owner Bruce Lanfried, Advisor

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ULTRASONIC CLEANING (Continued)

S123503009

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Bruce Lanfried
Entity Title: Not reported
Affiliation Address: 20730 Main St.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 20730 Main St.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Bruce Lanfried
Entity Title: Advisor.
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Operator
Entity Name: Ultrasonic Cleaning
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 327-7103

Affiliation Type Desc: Parent Corporation
Entity Name: Ultrasonic Cleaning

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ULTRASONIC CLEANING (Continued)

S123503009

Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
 Entity Name: Bruce Lanfried
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
 Entity Name: Jamie Lanfried
 Entity Title: Not reported
 Affiliation Address: 20730 Main St.
 Affiliation City: Carson
 Affiliation State: CA
 Affiliation Country: United States
 Affiliation Zip: 90745
 Affiliation Phone: (310) 327-7103

F17
ESE
< 1/8
0.058 mi.
306 ft.

ULTRASONIC CLEANING
20730 MAIN ST
CARSON, CA 90745

RCRA NonGen / NLR

1024818793
CAL000326992

Site 2 of 4 in cluster F

Relative:
Lower
Actual:
25 ft.

| | | |
|--------------------------------------|---------------------|----------------------------------|
| RCRA NonGen / NLR: | | |
| Date Form Received by Agency: | | 2007-11-21 00:00:00.0 |
| Handler Name: | ULTRASONIC CLEANING | |
| Handler Address: | | 20730 MAIN ST |
| Handler City,State,Zip: | | CARSON, CA 90745-1117 |
| EPA ID: | | CAL000326992 |
| Contact Name: | | BRUCE LANFRIED |
| Contact Address: | | 20730 MAIN ST |
| Contact City,State,Zip: | | CARSON, CA 90745 |
| Contact Telephone: | | 310-327-7104 |
| Contact Fax: | | 310-327-8930 |
| Contact Email: | | ULTRASONICCLEANING@SBCGLOBAL.NET |
| Contact Title: | | Not reported |
| EPA Region: | | 09 |
| Land Type: | | Not reported |
| Federal Waste Generator Description: | | Not a generator, verified |
| Non-Notifier: | | Not reported |
| Biennial Report Cycle: | | Not reported |
| Accessibility: | | Not reported |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | Not reported |
| State District: | | Not reported |
| Mailing Address: | | 20730 MAIN ST |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
 EPA ID Number

ULTRASONIC CLEANING (Continued)

1024818793

| | |
|--|-----------------------|
| Mailing City,State,Zip: | CARSON, CA 90745-1117 |
| Owner Name: | JAMIE LANFRIED |
| Owner Type: | Other |
| Operator Name: | BRUCE LANFRIED |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2018-09-05 20:29:51.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |

Map ID
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ULTRASONIC CLEANING (Continued)

1024818793

Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: JAMIE LANFRIED
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 20730 MAIN ST
Owner/Operator City,State,Zip: CARSON, CA 90745-1117
Owner/Operator Telephone: 310-327-7104
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BRUCE LANFRIED
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 20730 MAIN ST
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 310-327-7104
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2007-11-21 00:00:00.0
Handler Name: ULTRASONIC CLEANING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 54138
NAICS Description: TESTING LABORATORIES

NAICS Code: 54194
NAICS Description: VETERINARY SERVICES

NAICS Code: 71151
NAICS Description: INDEPENDENT ARTISTS, WRITERS, AND PERFORMERS

Facility Has Received Notices of Violations:

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ULTRASONIC CLEANING (Continued)

1024818793

Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

G18
NNE
< 1/8
0.064 mi.
336 ft.

REBEL MINI STORAGE
20501 S. MAIN STREET
CARSON, CA 90745

Site 1 of 3 in cluster G

ENVIROSTOR
VCP
DEED

S106568207
N/A

Relative:
Lower

Actual:
22 ft.

ENVIROSTOR:

Name: REBEL MINI STORAGE
 Address: 20501 S. MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Facility ID: 19000020
 Status: Certified / Operation & Maintenance
 Status Date: 12/08/2004
 Site Code: 401267
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 12.8
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Emad Yemut
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 64
 Senate: 35
 Special Program: Voluntary Cleanup Program
 Restricted Use: YES
 Site Mgmt Req: ASP, FOUN, DAY, ELD, HOS, EX, SCH, RES
 Funding: Responsible Party
 Latitude: 33.84543
 Longitude: -118.2806
 APN: 7336-00-3037, 7336-00-7338, 7336-00-7339, 7336-00-7340, 7336003037, 7336003038

Past Use: LANDFILL - DOMESTIC
 Potential COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Methane Barium and compounds Copper and compounds Ethylbenzene Nickel Toluene Vanadium and compounds Xylenes
 Confirmed COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Methane Barium and compounds Copper and compounds Ethylbenzene Nickel Toluene Vanadium and compounds Xylenes

Potential Description: SV

Alias Name: REBEL MINI STORAGE
 Alias Type: Alternate Name
 Alias Name: 7336-00-3037
 Alias Type: APN
 Alias Name: 7336-00-7338
 Alias Type: APN
 Alias Name: 7336-00-7339
 Alias Type: APN
 Alias Name: 7336-00-7340
 Alias Type: APN

Map ID
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EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Alias Name: 7336003037
Alias Type: APN
Alias Name: 7336003038
Alias Type: APN
Alias Name: 110033612794
Alias Type: EPA (FRS #)
Alias Name: 401259
Alias Type: Project Code (Site Code)
Alias Name: 401267
Alias Type: Project Code (Site Code)
Alias Name: 19000020
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/22/2006
Comments: Letter was sent to RP, accepting O&M Report and Repair certification.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/20/2006
Comments: Annual Methane Monitoring Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/03/2008
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/21/2008
Comments: Annual Inspection Report received and accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/07/2013
Comments: Document Completed and accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 07/29/2015
Comments: FA was established for the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: 5 Year Review Reports
Completed Date: 02/21/2018
Comments: Second Five year Review was approved. FA has been established for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/15/2019
Comments: Annual Monitoring Report dated 5/14/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/05/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2009
Comments: Cost Estimate letter sent to proponent via U.S. Mail

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/09/2004
Comments: DTSC entered into A Voluntary Cleanup Agreement (VCA) with the Dewey group for the Rebel Mini Storage Site. The purpose of the agreement is for DTSC to make a determination as to whether the site is suitable for its present use and whether additional sampling is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 11/29/2004
Comments: DTSC completed a Preliminary Endangerment Assessment for the Rebel Mini Storage Site. On 11/29/2004 a Conditional No Further Action was issued with the condition that (1) the present use of the site does not change from that of a storage facility; (2) the use of the Site not be changed from its present use without prior written approval from DTSC; and (3) a land use covenant/deed restriction approved by DTSC is recorded for the Site. In addition, on 11/29/04 an Operation and Maintenance Agreement was entered into by and between DTSC and Carson Storage Venture, LP, for the Rebel Mini Storage Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/08/2004
Comments: A Deed Restriction was recorded in the Los Angeles County Recorder's office on 12/08/2004 for the Rebel Mini Storage Site. The property is restricted to use as a self storage facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/24/2008
Comments: Deed Restriction Inspection Report Completed. Next inspection due to be completed during 2009-2010 fiscal year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 12/29/2009
Comments: Document accepted for the 2009-2010 FY Annual Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 11/21/2011
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 06/16/2011
Comments: Collection reminder sent for past due balances on site codes 401259 & 401267.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/04/2013
Comments: 2014 Annual Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/19/2015
Comments: Comments were sent on the Report. DTSC asked to comply with AQMD Rule and submit a new O&M Plan for site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/01/2016
Comments: Report was conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/31/2017
Comments: Report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2012
Comments: 2013 Annual Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/19/2011
Comments: Second collection letter sent certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/04/2013
Comments: Monitoring report was received and reviewed. No comments were made and document was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2010
Comments: 2011 Cost Estimate and Schedule sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/20/2006
Comments: Site Visit was conducted on January 20, 2006. Advised RP to conduct methane monitoring throughout the year not only for annual O&M Report.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/28/2015
Comments: Branch Chief Memo uploaded and FA was established on the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/20/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2015
Comments: FY 1516 Cost Estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/30/2011
Comments: 2012 Annual Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/05/2017
Comments: 1718 Cost Estimate finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/26/2018
Comments: FY1819 Estimate: \$2,846

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 11/22/2010
Comments: Document reviewed and approved. Letter sent to RP.

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:

Name: REBEL MINI STORAGE
Address: 20501 S. MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 19000020
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: ASP, FOUN, DAY, ELD, HOS, EX, SCH, RES
Acres: 12.8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401267
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 12/08/2004
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 33.84543 / -118.2806
APN: 7336-00-3037, 7336-00-7338, 7336-00-7339, 7336-00-7340, 7336003037, 7336003038
Past Use: LANDFILL - DOMESTIC
Potential COC: 30001, 30003, 30005, 30013, 30015, 30067, 30156, 30272, 30407, 30550, 30587, 30593
Confirmed COC: 30001,30003,30005,30013,30015,30067,30156,30272,30407,30550,30587,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Potential Description: 30593
SV
Alias Name: REBEL MINI STORAGE
Alias Type: Alternate Name
Alias Name: 7336-00-3037
Alias Type: APN
Alias Name: 7336-00-7338
Alias Type: APN
Alias Name: 7336-00-7339
Alias Type: APN
Alias Name: 7336-00-7340
Alias Type: APN
Alias Name: 7336003037
Alias Type: APN
Alias Name: 7336003038
Alias Type: APN
Alias Name: 110033612794
Alias Type: EPA (FRS #)
Alias Name: 401259
Alias Type: Project Code (Site Code)
Alias Name: 401267
Alias Type: Project Code (Site Code)
Alias Name: 19000020
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/22/2006
Comments: Letter was sent to RP, accepting O&M Report and Repair certification.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/20/2006
Comments: Annual Methane Monitoring Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/03/2008
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/21/2008
Comments: Annual Inspection Report received and accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: 5 Year Review Reports
Completed Date: 01/07/2013
Comments: Document Completed and accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 07/29/2015
Comments: FA was established for the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 02/21/2018
Comments: Second Five year Review was approved. FA has been established for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/15/2019
Comments: Annual Monitoring Report dated 5/14/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/05/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2009
Comments: Cost Estimate letter sent to proponent via U.S. Mail

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/09/2004
Comments: DTSC entered into A Voluntary Cleanup Agreement (VCA) with the Dewey group for the Rebel Mini Storage Site. The purpose of the agreement is for DTSC to make a determination as to whether the site is suitable for its present use and whether additional sampling is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 11/29/2004
Comments: DTSC completed a Preliminary Endangerment Assessment for the Rebel Mini Storage Site. On 11/29/2004 a Conditional No Further Action was issued with the condition that (1) the present use of the site does not change from that of a storage facility; (2) the use of the Site not be changed from its present use without prior written approval from DTSC; and (3) a land use covenant/deed restriction approved by DTSC is recorded for the Site. In addition, on 11/29/04 an Operation and Maintenance Agreement was entered into by and between DTSC and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Carson Storage Venture, LP, for the Rebel Mini Storage Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/08/2004
Comments: A Deed Restriction was recorded in the Los Angeles County Recorder's office on 12/08/2004 for the Rebel Mini Storage Site. The property is restricted to use as a self storage facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/24/2008
Comments: Deed Restriction Inspection Report Completed. Next inspection due to be completed during 2009-2010 fiscal year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 12/29/2009
Comments: Document accepted for the 2009-2010 FY Annual Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 11/21/2011
Comments: Document accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 06/16/2011
Comments: Collection reminder sent for past due balances on site codes 401259 & 401267.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/04/2013
Comments: 2014 Annual Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 02/19/2015
Comments: Comments were sent on the Report. DTSC asked to comply with AQMD Rule and submit a new O&M Plan for site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/01/2016
Comments: Report was conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/31/2017
Comments: Report was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2012
Comments: 2013 Annual Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/19/2011
Comments: Second collection letter sent certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/04/2013
Comments: Monitoring report was received and reviewed. No comments were made and document was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2010
Comments: 2011 Cost Estimate and Schedule sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/20/2006
Comments: Site Visit was conducted on January 20, 2006. Advised RP to conduct methane monitoring throughout the year not only for annual O&M Report.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/28/2015
Comments: Branch Chief Memo uploaded and FA was established on the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/20/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REBEL MINI STORAGE (Continued)

S106568207

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2015
Comments: FY 1516 Cost Estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/30/2011
Comments: 2012 Annual Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/05/2017
Comments: 1718 Cost Estimate finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/26/2018
Comments: FY1819 Estimate: \$2,846

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 11/22/2010
Comments: Document reviewed and approved. Letter sent to RP.

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:

Name: REBEL MINI STORAGE
Address: 20501 S. MAIN STREET
City,State,Zip: CARSON, CA 90745
Envirostor ID: 19000020
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): Not reported
File Name: Envirostor Land Use Restrictions

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G19 CITY OF CARSON - REBEL MINI STORAGE
NNE 20501 MAIN
< 1/8 CARSON, CA 90745
0.064 mi.
336 ft. Site 2 of 3 in cluster G

CPS-SLIC S106387039
CERS N/A

Relative: SLIC REG 4:
Lower Region: 4
Actual: Facility Status: Site Assessment
22 ft. SLIC: 0496F3
Substance: Not reported
Staff: SSH

CPS-SLIC:
Name: CITY OF CARSON - REBEL MINI STORAGE
Address: 20501 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/21/2015
Global Id: SLT43315313
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.846265
Longitude: -118.279236
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496F3
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:
Name: CITY OF CARSON - REBEL MINI STORAGE
Address: 20501 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 235672
CERS ID: SLT43315313
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766725

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

G20
NNE
 < 1/8
 0.064 mi.
 336 ft.

STORAGE ETC
20501 S MAIN ST
CARSON, CA 90745

RCRA NonGen / NLR

1024861672
CAL000430158

Site 3 of 3 in cluster G

Relative:
Lower
Actual:
22 ft.

| | | |
|--|-------------|---------------------------|
| RCRA NonGen / NLR: | | 2017-08-18 00:00:00.0 |
| Date Form Received by Agency: | | |
| Handler Name: | STORAGE ETC | |
| Handler Address: | | 20501 S MAIN ST |
| Handler City,State,Zip: | | CARSON, CA 90745 |
| EPA ID: | | CAL000430158 |
| Contact Name: | | ANTHONY SANCHEZ |
| Contact Address: | | 20501 S MAIN ST |
| Contact City,State,Zip: | | CARSON, CA 90745 |
| Contact Telephone: | | 310-327-1840 |
| Contact Fax: | | 310-327-1696 |
| Contact Email: | | CARSON@STORAGEETC.COM |
| Contact Title: | | Not reported |
| EPA Region: | | 09 |
| Land Type: | | Not reported |
| Federal Waste Generator Description: | | Not a generator, verified |
| Non-Notifier: | | Not reported |
| Biennial Report Cycle: | | Not reported |
| Accessibility: | | Not reported |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | Not reported |
| State District: | | Not reported |
| Mailing Address: | | 20501 S MAIN ST |
| Mailing City,State,Zip: | | CARSON, CA 90745 |
| Owner Name: | | STORAGE ETC |
| Owner Type: | | Other |
| Operator Name: | | ANTHONY SANCHEZ |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | Yes |
| Universal Waste Destination Facility: | | Yes |
| Federal Universal Waste: | | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | | Not reported |
| Active Site State-Reg Handler: | | --- |
| Federal Facility Indicator: | | Not reported |
| Hazardous Secondary Material Indicator: | | N |
| Sub-Part K Indicator: | | Not reported |
| Commercial TSD Indicator: | | No |
| Treatment Storage and Disposal Type: | | Not reported |
| 2018 GPRA Permit Baseline: | | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | | Not on the Baseline |
| Permit Renewals Workload Universe: | | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STORAGE ETC (Continued)

1024861672

| | |
|---|-----------------------|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2018-09-07 19:36:27.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|--------------------------------|------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | STORAGE ETC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 20501 S MAIN ST |
| Owner/Operator City,State,Zip: | CARSON, CA 90745 |
| Owner/Operator Telephone: | 310-327-1840 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|--------------------------------|------------------|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | ANTHONY SANCHEZ |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 20501 S MAIN ST |
| Owner/Operator City,State,Zip: | CARSON, CA 90745 |
| Owner/Operator Telephone: | 310-327-1840 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STORAGE ETC (Continued)

1024861672

Historic Generators:

| | |
|--|---------------------------|
| Receive Date: | 2017-08-18 00:00:00.0 |
| Handler Name: | STORAGE ETC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|--------------------|--|
| NAICS Code: | 53113 |
| NAICS Description: | LESSORS OF MINIWAREHOUSES AND SELF-STORAGE UNITS |

Facility Has Received Notices of Violations:

| | |
|-------------|---------------------|
| Violations: | No Violations Found |
|-------------|---------------------|

Evaluation Action Summary:

| | |
|--------------|----------------------|
| Evaluations: | No Evaluations Found |
|--------------|----------------------|

E21
South
< 1/8
0.065 mi.
342 ft.

329 TORRANCE BLVD.
329 TORRANCE BLVD.
CARSON, CA 90745
Site 3 of 5 in cluster E

US BROWNFIELDS **1023618766**
FINDS **N/A**

Relative:
Higher
Actual:
29 ft.

| | |
|----------------------------|---|
| US BROWNFIELDS: | |
| Name: | 329 TORRANCE BLVD. |
| Address: | 329 TORRANCE BLVD. |
| City,State,Zip: | CARSON, CA - |
| Recipient Name: | Carson, City of |
| Grant Type: | Assessment |
| Property Number: | - |
| Parcel size: | - |
| Latitude: | 33.842237 |
| Longitude: | -118.282232 |
| HCM Label: | Address Matching-House Number |
| Map Scale: | 100000 |
| Point of Reference: | Entrance Point of a Facility or Station |
| Highlights: | - |
| Datum: | North American Datum of 1983 |
| Acres Property ID: | 15045 |
| IC Data Access: | - |
| Start Date: | - |
| Redev Completion Date: | - |
| Completed Date: | - |
| Acres Cleaned Up: | - |
| Cleanup Funding: | - |
| Cleanup Funding Source: | - |
| Assessment Funding: | - |
| Assessment Funding Source: | - |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

329 TORRANCE BLVD. (Continued)

1023618766

| | |
|---------------------------------------|--------------|
| Redevelopment Funding: | - |
| Redev. Funding Source: | - |
| Redev. Funding Entity Name: | - |
| Redevelopment Start Date: | - |
| Assessment Funding Entity: | - |
| Cleanup Funding Entity: | - |
| Grant Type: | - |
| Accomplishment Type: | - |
| Accomplishment Count: | - |
| Cooperative Agreement Number: | 98944601 |
| Start Date: | - |
| Ownership Entity: | - |
| Completion Date: | - |
| Current Owner: | - |
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |
| IC Category Proprietary Controls: | - |
| IC Cat. Info. Devices: | - |
| IC Cat. Gov. Controls: | - |
| IC Cat. Enforcement Permit Tools: | - |
| IC in place date: | - |
| IC in place: | U |
| State/tribal program date: | - |
| State/tribal program ID: | - |
| State/tribal NFA date: | - |
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controlled substance found: | - |
| Controlled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | Not reported |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |
| Other contaminants found: | - |
| Other contaminants found description: | - |
| PAHs found: | - |
| PAHs cleaned up: | - |
| PCBs found: | - |
| PCBs cleaned up: | - |
| Petro products found: | - |
| Petro products cleaned: | - |
| Sediments found: | - |
| Sediments cleaned: | - |
| Soil affected: | - |
| Soil cleaned up: | - |
| Surface water cleaned: | - |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

329 TORRANCE BLVD. (Continued)

1023618766

| | |
|-------------------------------------|--------------|
| VOCs found: | - |
| VOCs cleaned: | - |
| Cleanup other description: | - |
| Num. of cleanup and re-dev. jobs: | - |
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |
| Unknown contaminant found: | - |
| Future Use: Multistory | - |
| Media affected Bluiding Material: | - |
| Media affected indoor air: | - |
| Building material media cleaned up: | - |
| Indoor air media cleaned up: | - |
| Unknown media cleaned up: | - |
| Past Use: Multistory | Not reported |
| Property Description: | - |
| Below Poverty Number: | 291 |
| Below Poverty Percent: | 8.93 |
| Meidan Income: | 5316 |
| Meidan Income Number: | 830 |
| Meidan Income Percent: | 25.47 |
| Vacant Housing Number: | 56 |
| Vacant Housing Percent: | 6.03 |
| Unemployed Number: | 293 |
| Unemployed Percent: | 8.99 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

329 TORRANCE BLVD. (Continued)

1023618766

FINDS:

Registry ID: 110060749846

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is a 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.

E22
South
< 1/8
0.065 mi.
342 ft.

CITY OF CARSON - HURD & SNOW ENTERPRISES
329 TORRANCE
CARSON, CA 90745

CPS-SLIC **S106387034**
CERS **N/A**

Site 4 of 5 in cluster E

Relative:
Higher

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0496E1
Substance: Not reported
Staff: SSH

Actual:
29 ft.

CPS-SLIC:

Name: CITY OF CARSON - HURD & SNOW ENTERPRISES
Address: 329 TORRANCE BLVD
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43310308
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.842045
Longitude: -118.284561
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496E1
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name: CITY OF CARSON - HURD & SNOW ENTERPRISES
Address: 329 TORRANCE BLVD
City,State,Zip: CARSON, CA 90745
Site ID: 254902
CERS ID: SLT43310308
CERS Description: Cleanup Program Site

Affiliation:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - HURD & SNOW ENTERPRISES (Continued)

S106387034

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766725

**H23
SSE
< 1/8
0.065 mi.
342 ft.**

**GARDENA VALLEY DUMPS #1 & #2
225 W TORRANCE BLVD
CARSON, CA 90745**

**ENVIROSTOR U003059866
VCP N/A
LOS ANGELES CO. HMS**

Site 1 of 2 in cluster H

**Relative:
Higher
Actual:
27 ft.**

ENVIROSTOR:
Name: CARSON EL CAMINO
Address: 225 WEST TORRANCE BOULEVARD
City,State,Zip: CARSON, CA 90745
Facility ID: 60003021
Status: Active
Status Date: 07/08/2020
Site Code: 401929
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 5.48
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 0
Longitude: 0
APN: 7336-003-029
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7336-003-029
Alias Type: APN
Alias Name: 401929
Alias Type: Project Code (Site Code)
Alias Name: 60003021
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY DUMPS #1 & #2 (Continued)

U003059866

Completed Date: 07/28/2020
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

VCP:

Name: CARSON EL CAMINO
Address: 225 WEST TORRANCE BOULEVARD
City,State,Zip: CARSON, CA 90745
Facility ID: 60003021
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5.48
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Site Code: 401929
Assembly: Not reported
Senate: Not reported
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 07/08/2020
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 0 / 0
APN: 7336-003-029
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7336-003-029
Alias Type: APN
Alias Name: 401929
Alias Type: Project Code (Site Code)
Alias Name: 60003021
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/28/2020
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY DUMPS #1 & #2 (Continued)

U003059866

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:

Name: GARDENA VALLEY DUMPS #1 & #2
Address: 225 W TORRANCE BLVD
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: I
Facility Id: 003605-I03727
Facility Type: 08
Facility Status: Closed
Area: 22
Permit Number: 000001739
Permit Status: Closed

Name: GARDENA VALLEY DUMPS #1 & #2
Address: 225 W TORRANCE BLVD
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: I
Facility Id: 003605-I03727
Facility Type: 09
Facility Status: Closed
Area: 22
Permit Number: 000329427
Permit Status: Removed

E24
South
< 1/8
0.068 mi.
359 ft.

CITY OF CARSON - HICKS FAMILY PROPERTY
321 TORRANCE
CARSON, CA 90745

CPS-SLIC S106387035
CERS N/A

Site 5 of 5 in cluster E

Relative:
Higher
Actual:
28 ft.

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0496E2
Substance: Not reported
Staff: SSH

CPS-SLIC:

Name: CITY OF CARSON - HICKS FAMILY PROPERTY
Address: 321 TORRANCE BLVD
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43311309
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF CARSON - HICKS FAMILY PROPERTY (Continued)

S106387035

Lead Agency Case Number: Not reported
 Latitude: 33.842045
 Longitude: -118.284561
 Case Type: Cleanup Program Site
 Case Worker: AGH
 Local Agency: Not reported
 RB Case Number: 0496E2
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name: CITY OF CARSON - HICKS FAMILY PROPERTY
 Address: 321 TORRANCE BLVD
 City,State,Zip: CARSON, CA 90745
 Site ID: 258950
 CERS ID: SLT43311309
 CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
 Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4th Street, Suite
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2135766725

D25
SW
 < 1/8
 0.073 mi.
 387 ft.

GARDENA VALLEY #1 & #2
415 - 425 WEST TORRANCE BOULEVARD
CARSON, CA 90745

SWF/LF
LOS ANGELES CO LF METHANE

S111075911
N/A

Site 2 of 2 in cluster D

Relative:
Higher
Actual:
33 ft.

LOS ANGELES CO. LF:

Name: GARDENA VALLEY #1 & #2
 Address: 415 - 425 WEST TORRANCE BOULEVARD
 City,State,Zip: CARSON, CA 90745
 Site ID: 1941
 Alt. Address: 101 West Torrance Boulevard, Carson, CA; 225 - 325 West Torrance Boulevard, Carson, CA 90745; 405 -
 Site Contact: Not reported
 Site Contact Phone: Not reported
 Site Email: Not reported
 Site Website: Not reported
 Site Type: Unknown
 Site SWIS Number: 19-AQ-0010
 Beginning Operation Date: Oct-59
 Ending Operation Date: Oct-59
 Local Enforcement Agency: County Public Health
 Maximun Depth Fill(Ft): 36
 Permitted Capacity: Not reported
 Present Use: Vacant; Commercial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY #1 & #2 (Continued)

S111075911

Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Commercial; Liquid; Residential
Hours of Operation: Not reported
Disposal Area (Acre): 28.6999999

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: London Pacific Investments
Owner Address: 1010 Crenshaw Blvd
Owner City/State/Zip: Suite 100, CA
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

LOS ANGELES CO LF METHANE:

Name: GARDENA VALLEY #1 & #2
Address: 415 - 425 WEST TORRANCE BOULEVARD
City,State,Zip: CARSON, CA 90745
Site Number: 1941
Status: Closed
Description: Unknown
Operator Name: Unknown
Operator Telephone: Not reported

F26
SE
< 1/8
0.075 mi.
394 ft.

**GARDENA VALLEY NO. 1 & 2
101 WEST TORRANCE BOULVARD
CARSON, CA**

**WMUDS/SWAT S103441296
N/A**

Site 3 of 4 in cluster F

**Relative:
Higher
Actual:
27 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: 56-133
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: LONDON PACIFIC INVESTMENT INC.
Agency Department: Not reported
Agency Address: 835 HOPKINS WAY, SUITE 406
Agency City,St,Zip: REDONDO BEACH 90277
Agency Contact: MR. JULES WALDER
Agency Telephone: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GARDENA VALLEY NO. 1 & 2 (Continued)

S103441296

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: LONDON PACIFIC INVESTMENT INC.
 Threat to Water Quality: Not reported
 Sub Chapter 15: False
 Regional Board Project Officer: R_N
 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 190006NUR
 Solid Waste Information ID: Not reported

**H27
 SE
 < 1/8
 0.077 mi.
 404 ft.**

**BERADA CORPORATION-GARDENA VAL
 100 WEST TORRANCE BOULVARD
 CARSON, CA**

**WMUDS/SWAT S103441298
 N/A**

Site 2 of 2 in cluster H

**Relative:
 Higher
 Actual:
 27 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: 61-46
 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERADA CORPORATION-GARDENA VAL (Continued)

S103441298

Agency Telephone: Not reported
Land Owner Name: GOLDEN EAGLE REFINING CO., INC
Land Owner Address: 525 WEST THIRD STREET
Land Owner City,St,Zip: HANFORD, CA 93230
Land Owner Contact: STEVEN EPPERSON
Land Owner Phone: 2095833372
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: Not reported
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: R_N
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 190011NUR
Solid Waste Information ID: Not reported

F28
SE
< 1/8
0.082 mi.
433 ft.

GARDENA VALLEY DUMP #5
100 W TORRANCE BLVD
CARSON, CA 90745

SEMS-ARCHIVE 1003879391
LOS ANGELES CO. HMS CAD982404865

Site 4 of 4 in cluster F

Relative:
Higher
Actual:
27 ft.

SEMS Archive:
Site ID: 0903470
EPA ID: CAD982404865
Name: GARDENA VALLEY DUMP #5
Address: 100 W TORRANCE BLVD
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
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

SEMS Archive Detail:

Region: 09
Site ID: 0903470
EPA ID: CAD982404865
Site Name: GARDENA VALLEY DUMP #5
NPL: N
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY DUMP #5 (Continued)

1003879391

OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-12-06 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903470
EPA ID: CAD982404865
Site Name: GARDENA VALLEY DUMP #5
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1989-12-06 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903470
EPA ID: CAD982404865
Site Name: GARDENA VALLEY DUMP #5
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-21 05:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903470
EPA ID: CAD982404865
Site Name: GARDENA VALLEY DUMP #5
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: 0903470
EPA ID: CAD982404865

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY DUMP #5 (Continued)

1003879391

Site Name: GARDENA VALLEY DUMP #5
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1985-08-01 05:00:00
Finish Date: 1986-02-01 05:00:00
Qual: L
Current Action Lead: St Perf

LOS ANGELES CO. HMS:

Name: GARDENA VALLEY DUMP #5
Address: 100 W TORRANCE BLVD
City,State,Zip: CARSON, CA 907451117
Region: LA
Permit Category: I
Facility Id: 004925-I05111
Facility Type: 00
Facility Status: Closed
Area: 22
Permit Number: 000002717
Permit Status: Closed

I29
NE
< 1/8
0.109 mi.
576 ft.

WERDIN DUMP
20420 S MAIN ST
CARSON, CA 90745
Site 1 of 8 in cluster I

SEMS-ARCHIVE 1000189294
LOS ANGELES CO. HMS CAD981576622

Relative:
Higher
Actual:
27 ft.

SEMS Archive:
Site ID: 0902459
EPA ID: CAD981576622
Name: WERDIN DUMP
Address: 20420 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
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

SEMS Archive Detail:

Region: 09
Site ID: 0902459
EPA ID: CAD981576622
Site Name: WERDIN DUMP
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2002-03-28 05:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WERDIN DUMP (Continued)

1000189294

Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902459
EPA ID: CAD981576622
Site Name: WERDIN DUMP
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 2001-11-07 05:00:00
Finish Date: 2002-03-28 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902459
EPA ID: CAD981576622
Site Name: WERDIN DUMP
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

Region: 09
Site ID: 0902459
EPA ID: CAD981576622
Site Name: WERDIN DUMP
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1986-11-01 05:00:00
Finish Date: 1987-07-01 04:00:00
Qual: L
Current Action Lead: St Perf

LOS ANGELES CO. HMS:

Name: WERDIN DUMP
Address: 20420 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: I
Facility Id: 000885-I00928
Facility Type: 00

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WERDIN DUMP (Continued)

1000189294

Facility Status: Closed
 Area: 22
 Permit Number: 000003332
 Permit Status: Closed

**30
 WNW
 < 1/8
 0.116 mi.
 615 ft.**

**ROLLINS LEASING CORP FACI
 20425 HAMILTON
 CARSON, CA 90745**

**HIST CORTESE S110060838
 N/A**

**Relative:
 Higher**

HIST CORTESE:
 edr_fname: ROLLINS LEASING CORP FACI
 edr_fadd1: 20425 HAMILTON
 City,State,Zip: CARSON, CA 90745
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: R-06281

**Actual:
 31 ft.**

**I31
 NE
 1/8-1/4
 0.132 mi.
 695 ft.**

**WERDIN DUMP
 20402 MAIN
 CARSON, CA 90745
 Site 2 of 8 in cluster I**

**HIST CORTESE S105023096
 N/A**

**Relative:
 Higher**

HIST CORTESE:
 edr_fname: WERDIN DUMP
 edr_fadd1: 20402 MAIN
 City,State,Zip: CARSON, CA 90745
 Region: CORTESE
 Facility County Code: 19
 Reg By: CALSI
 Reg Id: 19490104

**Actual:
 26 ft.**

**I32
 NE
 1/8-1/4
 0.132 mi.
 695 ft.**

**WERDIN DUMP
 20402 S MAIN ST
 CARSON, CA 90745
 Site 3 of 8 in cluster I**

**ENVIROSTOR S102279529
 N/A**

**Relative:
 Higher**

ENVIROSTOR:
 Name: WERDIN DUMP
 Address: 20402 S MAIN ST
 City,State,Zip: CARSON, CA 90745
 Facility ID: 19490104
 Status: Refer: RWQCB
 Status Date: 01/18/1995
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED

**Actual:
 26 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WERDIN DUMP (Continued)

S102279529

Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.84521
Longitude: -118.2799
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * OTHER INORGANIC SOLID WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19490104
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: 01/18/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/15/1982
Comments: FACILITY IDENTIFIED LA CO 630 SERIES BASE COORD MAP (1973)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/14/1982
Comments: FACILITY IDENTIFIED CO ENGR INACTIVE WASTE DISPOSAL FACILITY

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

I33
NE
1/8-1/4
0.134 mi.
709 ft.

WERDIN SITE-CARSON
20400 SOUTH MAIN
CARSON, CA
Site 4 of 8 in cluster I

WMUDS/SWAT S104156384
N/A

Relative:
Higher
Actual:
26 ft.

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WERDIN SITE-CARSON (Continued)

S104156384

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: 64-59
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: WERDIN
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: WERDIN
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: Not reported
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 190456NUR
Solid Waste Information ID: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

I34
NE
1/8-1/4
0.134 mi.
709 ft.
 Relative:
Higher
 Actual:
26 ft.

CAL COMPACT LANDFILL
20400 MAIN
CARSON, CA 90745
 Site 5 of 8 in cluster I

RESPONSE S101480945
ENVIROSTOR N/A
SWF/LF
LDS
Cortese
HIST CORTESE
LOS ANGELES CO. HMS
NPDES
CIWQS
CERS
LOS ANGELES CO LF METHANE

RESPONSE:

Name: CAL COMPACT LANDFILL
 Address: 20400 MAIN ST
 City,State,Zip: CARSON, CA 90745
 Facility ID: 19490019
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 157
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Scarlett Zhai
 Supervisor: Emad Yemut
 Division Branch: Southern California Schools & Brownfields Outreach
 Site Code: 401716
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 64
 Senate: 35
 Special Program Status: Designation of Single Agency
 Status: Active
 Status Date: 04/18/1996
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 33.84260
 Longitude: -118.2723
 APN: 7336010014, 7336010015, 7336010016, 7336010017, 7336010018, 7336010019, 7336010020, 7336010021
 Past Use: LANDFILL - DOMESTIC, LANDFILL - DOMESTIC
 Potential COC : Methane Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Polychlorinated biphenyls (PCBs, see IRIS Xylenes
 Confirmed COC: No Contaminants found Polychlorinated biphenyls (PCBs, see IRIS Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Methane Xylenes
 Potential Description: OTH, OTH, SOIL
 Alias Name: Avalon at South Bay
 Alias Type: Alternate Name
 Alias Name: Carson Marketplace
 Alias Type: Alternate Name
 Alias Name: 7336010014
 Alias Type: APN
 Alias Name: 7336010015
 Alias Type: APN
 Alias Name: 7336010016
 Alias Type: APN
 Alias Name: 7336010017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Alias Type: APN
Alias Name: 7336010018
Alias Type: APN
Alias Name: 7336010019
Alias Type: APN
Alias Name: 7336010020
Alias Type: APN
Alias Name: 7336010021
Alias Type: APN
Alias Name: CAD980735955
Alias Type: EPA Identification Number
Alias Name: 110014015243
Alias Type: EPA (FRS #)
Alias Name: 110033617281
Alias Type: EPA (FRS #)
Alias Name: SL204411577
Alias Type: GeoTracker Global ID
Alias Name: P41008
Alias Type: PCode
Alias Name: 400721
Alias Type: Project Code (Site Code)
Alias Name: 401325
Alias Type: Project Code (Site Code)
Alias Name: 401580
Alias Type: Project Code (Site Code)
Alias Name: 401716
Alias Type: Project Code (Site Code)
Alias Name: 19490019
Alias Type: Envirostor ID Number
Alias Name: <http://www.cra-cclf.com>
Alias Type: External Website Link / URL

Completed Info:

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/18/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2018
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/13/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/27/2017
Comments: Aompleted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/13/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/24/2016
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/30/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/24/2016
Comments: Approved for import

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2017
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2017
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2017
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2005
Comments: Report was acceptable

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/09/1992
Comments: Baseline Risk Assessment completed on 10/9/1992

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/01/2000
Comments: Report of Hydrostratigraphic Investigation was deemed acceptable. It was performed to determine the depth of the Bellflower Aquifer and start of the Gage Aquifer.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2007
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/01/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/02/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/05/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 07/18/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2005
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/30/2006
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 02/10/2006
Comments: This document was approved verbally on 2/10/2006 because it was to be inserted into the Final Landfill Cover Soil Sampling Work Plan, which was approved on 3/15/2006. Letter approving that document has been uploaded as it also states that the DQOs were approved as well.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/15/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/23/2006
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/15/2006
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 11/09/2007
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/23/2006
Comments: Accepted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/27/2008
Comments: Sent email approval on May 2, 2008

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2008
Comments: Report was acceptable.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/09/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/17/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/11/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/29/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/15/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 02/15/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Newsletter
Completed Date: 04/24/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Newsletter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 05/08/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/30/2008
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/01/2008
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan w/ESD
Completed Date: 07/30/2009
Comments: Document ready for public review.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/10/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/10/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/21/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/21/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2011
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2011
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 10/21/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/20/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/01/1981
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/01/1982
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/05/1978
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/01/1983
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 08/20/1984
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/01/1984
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/01/1985
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/22/1986
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/10/1987
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 06/01/1988
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/18/1990
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/01/1990
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/17/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/25/1991
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/02/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/21/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/12/1991
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/15/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/14/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/23/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 06/09/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/19/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/17/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/17/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/01/1993
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/01/1993
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/01/1994
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 09/26/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 08/08/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/22/2019
Comments: Accepted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/10/2017
Comments: Conditionally approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/19/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2016
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 02/22/2019
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2019
Comments: Conditional Approval.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 05/14/2019
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/25/2019
Comments: Accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 05/28/2019
Comments: Accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 05/15/2019
Comments: Accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Newsletter
Completed Date: 08/06/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/04/2019
Comments: DTSC review of 2nd quarter 2019 GETS O&M Report and Monitoring Report was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/03/2020
Comments: DTSC review of 3rd Quarter 2019 GW Monitoring Report and GETS O&M Report was completed on 1/3/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/06/2020
Comments: DTSC review of the 4Q 2019 GETS O&M Report and Groundwater Monitoring Report was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/04/2019
Comments: Review completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2020
Comments: DTSC review of the 3Q 2019 Rule 1150 Report was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 01/03/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/02/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2019
Comments: Reviewed and Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/31/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/25/2019
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/31/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 11/06/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 08/21/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/01/1990
Comments: Received

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/01/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 09/07/1995
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/31/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/02/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 12/05/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 12/08/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/01/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/02/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 05/16/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/01/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 05/24/1997
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/01/1997
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/03/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/07/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/1998
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/18/1998
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 09/15/1998
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 12/03/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/21/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/29/1999
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/01/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/05/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/23/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 11/23/1999
Comments: Completed

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/03/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 02/21/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 05/30/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/07/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/09/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2001
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/05/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/08/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/12/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/05/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 04/08/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 02/22/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 02/20/2004
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/27/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/27/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/18/2005
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 07/14/2005
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2005
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/29/2005
Comments: Received

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 08/15/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/29/2006
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/08/2006
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 08/15/2006
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2006
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2006
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/20/2006
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 01/01/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 02/13/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/05/2007
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 02/09/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/07/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/27/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/24/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 05/24/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/14/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/28/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/27/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/01/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 04/17/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 08/04/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/01/2009
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2012
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2013
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/24/2013
Comments: This document is no longer valid as the project has changed and so has the FA.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/20/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Document Type: Other Report
Completed Date: 08/08/2014
Comments: Discussed RDP with Carson Marketplace during meeting. No DTSC letter will be required.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/02/2014
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 01/16/2014
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/14/2014
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 12/23/2008
Comments: Conditionally approved the 95% designs.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2014
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Manual
Completed Date: 06/11/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2015
Comments: Monitoring was not conducted due to land transfer and funding issues.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/14/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2014
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/08/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/29/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/27/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2014
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/17/2014
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/16/2014
Comments: Completed. No Letter necessary.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/21/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/18/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/24/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/22/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2015
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/21/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/27/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/12/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/19/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/10/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/04/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/11/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/18/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2015
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2015
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/13/2015
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/28/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/05/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/22/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2016
Comments: completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/19/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/04/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/18/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/22/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/27/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2016
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/20/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2014
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/07/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/05/2016
Comments: complete

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/22/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 3
Completed Document Type: Monitoring Report
Completed Date: 10/10/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 12/13/2014
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/25/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/13/2014
Comments: Completed and accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 02/10/2015
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/29/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/24/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 11/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/29/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 07/29/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/13/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/08/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 07/13/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2016
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2016
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Conditionally approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 11/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/03/2016
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 04/05/2016
Comments: Conditionally approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2016
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/03/2018
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/25/2017
Comments: Completed

Completed Area Name: Upper Operable Unit - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/03/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/22/2019
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2019
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/26/2019
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2019
Comments: Completed

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/03/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/11/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/24/2019
Comments: Conditional Design Acceptance for Cell 2 Landfill Remedial System
Design Documents issued for Construction.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/30/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: completed

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/16/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/03/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 11/02/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/25/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/24/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 07/12/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 03/18/2019
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/17/2019
Comments: Reviewed and approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/22/2020
Comments: DTSC accepted this report.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2020
Comments: DTSC completed review of the report and accepted it.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2020
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/10/2020
Comments: DTSC completed review of these two reports and accepted them on 9/10/2020.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2020
Comments: DTSC completed review of the report and accepted it as is.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/23/2020
Comments: DTSC accepted the revised memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/20/2020
Comments: DTSC accepted the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2020
Comments: Review of monthly perimeter air monitoring reports up to December

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CAL COMPACT LANDFILL (Continued)

S101480945

2019 is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/30/2020
Comments: Design change notices were reviewed, discussed and approved during weekly construction coordination meetings throughout the construction phase.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/06/2020
Comments: DTSC representatives attended weekly construction coordination meetings until November 2019. DTSC received A formal letter from CRA dated 3/6/2020, notifying the hiatus of redevelopment related construction activities due to funding issue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/26/2020
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2020
Comments: DTSC accepted the Annual AQMD Rule 1150.1 Compliance Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/14/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/21/2020
Comments: DTSC accepted this report on 5/21/2020.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 12/25/1995
Comments: Not reported

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 07/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 02/04/2004
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 09/28/2006
Comments: Compliance Framework Agreement between DTSC and Carson Marketplace, LLC

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/25/2005
Comments: Notice of Exemption sent to the State Clearinghouse.

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/12/1999
Comments: Letter Agreement to investigate the lower Operable Unit at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/25/1995
Comments: DTSC completed its review of the RAP for the Cal Compact Landfill Upper Operable Unit, and has determined that the plan meets statutory requirements. CEQA documents were filed and approved accordingly.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/25/1995
Comments: DTSC issues a Remedial Action Order and Consent Order to BKK Corporation for the Cal Compact site. The Order applies to the Upper Operable Unit.

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: Remedial Action Order issued to the Defense Group to investigate the Lower Operable Unit

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/01/1979
Comments: Facility Identified: On Eckhardt List as Cal & Monsanto. Site used by Tennco Chemical.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 03/07/2001
Comments: Consent decree with 3M Company. Consent decree with site owners - "supplemental decree".

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 02/04/2004
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/25/2011
Comments: Reminder letter sent for unpaid past due invoice #10SM3071.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 03/18/1988
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/28/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 02/08/2006
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/18/2014
Comments: Completed

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 04/11/2001
Comments: As part of a lawsuit settlement between the Defense Group and 3M Company and DTSC, DTSC would be paid past costs, future oversight costs, and remediation costs.

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 08/14/1995
Comments: The Department of Toxic Substances Control enters into this Consent Decree with the Commercial Realty Projects, Inc. (CRP) to provide for certain environmental response actions at, and to resolve certain liability claims with respect to, the Cal Compact landfill site located in the city of Carson.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 3
Completed Document Type: Correspondence
Completed Date: 08/06/2014
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/18/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/23/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/16/2015
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2015
Comments: Completed and sent.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/20/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/16/2015
Comments: Completed

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CAL COMPACT LANDFILL (Continued)

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/22/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/22/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/20/2017
Comments: Meeting complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/25/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/28/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 07/19/2016
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/16/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

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CAL COMPACT LANDFILL (Continued)

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Completed Date: 03/09/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/27/2015
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/24/2015
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/22/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/14/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2017
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 01/24/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/20/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2017
Comments: Change of consultant from Tetrattech to SCS Engineers.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 09/08/2017
Comments: Completed.

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Escrow Agreement
Completed Date: 03/27/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2018
Comments: FY 1819 Estimate: \$316,827

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/27/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/29/2018
Comments: Carson Reclamation JPA sent DTSC a copy of the JPA's purchase order related to DTSC's estimate of DTSC's oversight costs that may be incurred during the fiscal year 2018/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/27/2020
Comments: DTSC will provide supporting information if needed, but no letter will be sent to other agencies.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 03/06/2020
Comments: DTSC received the letter from CRA regarding stoppage of redevelopment construction activities on Cell 2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/27/2019
Comments: Change in Project Manager notification sent to RE Solutions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2019
Comments: FY 19/20 Estimate \$390,047

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 11/25/2019
Comments: DTSC issued letter on November 25, 2019 indicating the objection to

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CAL COMPACT LANDFILL (Continued)

S101480945

payment request was resolved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate Letter completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/05/2020
Comments: DTSC notified the RP the PM change.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/12/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/10/2020
Comments: DTSC attended monthly O&M meetings. Meeting were held on line since March 2020 due to pandemic situation. Last meeting in fiscal year 2019-2020 was held on 6/10/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Escrow Agreement
Completed Date: 01/25/2017
Comments: Agreement was executed on 1/25/2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 11/01/1993
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 01/03/2019
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/12/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/26/1996
Comments: Not reported

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CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/25/1995
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/21/1995
Comments: The Remedial Investigation/Feasibility Study for the Cal Compact Landfill site prepared by Brown & Root Environmental is approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/30/1989
Comments: Not reported

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 03/20/2001
Comments: Remedial investigation of Lower OU (OU2) completed. An FS will not be done. However, a RAP is required.

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/24/2005
Comments: DTSC revised the LOURAP and therefore there is no approval letter.

Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 2
Future Document Type: Remedial Action Completion Report
Future Due Date: 2021

Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 3
Future Document Type: Remedial Action Completion Report
Future Due Date: 2023

Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 5
Future Document Type: Remedial Action Completion Report
Future Due Date: 2024

Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 4
Future Document Type: Remedial Action Completion Report
Future Due Date: 2022

Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 1
Future Document Type: Remedial Action Completion Report
Future Due Date: 2025

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

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CAL COMPACT LANDFILL (Continued)

S101480945

ENVIROSTOR:

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Facility ID: 19490019
Status: Active
Status Date: 04/18/1996
Site Code: 401716
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 157
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Scarlett Zhai
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Designation of Single Agency
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84260
Longitude: -118.2723
APN: 7336010014, 7336010015, 7336010016, 7336010017, 7336010018,
7336010019, 7336010020, 7336010021
Past Use: LANDFILL - DOMESTIC, LANDFILL - DOMESTIC
Potential COC: Methane Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE
TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl
chloride Polychlorinated biphenyls (PCBs, see IRIS Xylenes
Confirmed COC: No Contaminants found Polychlorinated biphenyls (PCBs, see IRIS
Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-gas
1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride
Methane Xylenes
Potential Description: OTH, OTH, SOIL
Alias Name: Avalon at South Bay
Alias Type: Alternate Name
Alias Name: Carson Marketplace
Alias Type: Alternate Name
Alias Name: 7336010014
Alias Type: APN
Alias Name: 7336010015
Alias Type: APN
Alias Name: 7336010016
Alias Type: APN
Alias Name: 7336010017
Alias Type: APN
Alias Name: 7336010018
Alias Type: APN
Alias Name: 7336010019
Alias Type: APN
Alias Name: 7336010020
Alias Type: APN
Alias Name: 7336010021
Alias Type: APN
Alias Name: CAD980735955

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CAL COMPACT LANDFILL (Continued)

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Alias Type: EPA Identification Number
Alias Name: 110014015243
Alias Type: EPA (FRS #)
Alias Name: 110033617281
Alias Type: EPA (FRS #)
Alias Name: SL204411577
Alias Type: GeoTracker Global ID
Alias Name: P41008
Alias Type: PCode
Alias Name: 400721
Alias Type: Project Code (Site Code)
Alias Name: 401325
Alias Type: Project Code (Site Code)
Alias Name: 401580
Alias Type: Project Code (Site Code)
Alias Name: 401716
Alias Type: Project Code (Site Code)
Alias Name: 19490019
Alias Type: Envirostor ID Number
Alias Name: <http://www.cra-cclf.com>
Alias Type: External Website Link / URL

Completed Info:

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/18/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2018
Comments: Completed

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Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/13/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/27/2017
Comments: Aompleted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/13/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/24/2016
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/30/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/24/2016
Comments: Approved for import

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 03/20/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2017
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2017
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2017
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2005
Comments: Report was acceptable

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/09/1992
Comments: Baseline Risk Assessment completed on 10/9/1992

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/01/2000
Comments: Report of Hydrostratigraphic Investigation was deemed acceptable. It was performed to determine the depth of the Bellflower Aquifer and start of the Gage Aquifer.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/01/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/02/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/05/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/18/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2001
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2005
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/30/2006
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 02/10/2006
Comments: This document was approved verbally on 2/10/2006 because it was to be inserted into the Final Landfill Cover Soil Sampling Work Plan, which was approved on 3/15/2006. Letter approving that document has been uploaded as it also states that the DQOs were approved as well.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/15/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/23/2006
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/15/2006
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 11/09/2007
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/23/2006
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/27/2008
Comments: Sent email approval on May 2, 2008

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Report was acceptable.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/09/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/17/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/11/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/29/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 02/15/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 02/15/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Newsletter
Completed Date: 04/24/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Newsletter
Completed Date: 05/08/2008
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/30/2008
Comments: Approved.

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/01/2008
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan w/ESD
Completed Date: 07/30/2009
Comments: Document ready for public review.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/10/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/10/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/21/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/21/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2011
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 10/21/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/20/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2011
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/01/1981
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/01/1982
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/05/1978
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/01/1983
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/20/1984
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/01/1984
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/01/1985
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/22/1986
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/10/1987
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 06/01/1988
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/18/1990
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/01/1990
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/17/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/25/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/02/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/21/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/12/1991
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/15/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/14/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/23/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/1991
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/19/1992
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/17/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/17/1992
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/01/1993
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/01/1993
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/01/1994
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 09/26/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 08/08/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/22/2019
Comments: Accepted

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/10/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Conditionally approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/19/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2016
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 02/22/2019
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2019
Comments: Conditional Approval.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 05/14/2019
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/25/2019
Comments: Accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 05/28/2019
Comments: Accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 05/15/2019
Comments: Accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Newsletter
Completed Date: 08/06/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/04/2019
Comments: DTSC review of 2nd quarter 2019 GETS O&M Report and Monitoring Report was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/03/2020
Comments: DTSC review of 3rd Quarter 2019 GW Monitoring Report and GETS O&M Report was completed on 1/3/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/06/2020
Comments: DTSC review of the 4Q 2019 GETS O&M Report and Groundwater Monitoring Report was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/04/2019
Comments: Review completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2020
Comments: DTSC review of the 3Q 2019 Rule 1150 Report was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/03/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2019
Comments: Completed

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/02/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2019
Comments: Reviewed and Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/31/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/25/2019
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/31/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 11/06/2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 08/21/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/01/1990
Comments: Received

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/01/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 09/07/1995
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/31/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/02/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 12/05/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 12/08/1995
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/01/1996
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/02/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 05/16/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/01/1996
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 05/24/1997
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/01/1997
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/03/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/07/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/15/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/18/1998
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 09/15/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 12/03/1998
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/21/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/29/1999
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/01/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/05/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/23/1999
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/23/1999
Comments: Completed

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/03/1999
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 02/21/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 05/30/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/07/2000
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/09/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2001
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/05/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/08/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/12/2002
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/05/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 04/08/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2003
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/22/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2004
Comments: Completed

Completed Area Name: Upper Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 02/20/2004
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/27/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/27/2004
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/18/2005
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 07/14/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2005
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2005
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/29/2005
Comments: Received

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/29/2006
Comments: Approved

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/08/2006
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 08/15/2006
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2006
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/27/2006
Comments: Approved

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/20/2006
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 01/01/2006
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 02/13/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/05/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 02/09/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/07/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/27/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/24/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 05/24/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/14/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/28/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/27/2007
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/01/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2007
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/19/2007
Comments: Approved

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2012
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 08/04/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/01/2009
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2012
Comments: approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2013
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 10/24/2013
Comments: This document is no longer valid as the project has changed and so has the FA.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/20/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2013
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/08/2014
Comments: Discussed RDP with Carson Marketplace during meeting. No DTSC letter will be required.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/02/2014
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 01/16/2014
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/14/2014
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 12/23/2008
Comments: Conditionally approved the 95% designs.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2014
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Manual
Completed Date: 06/11/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 06/11/2015
Comments: Monitoring was not conducted due to land transfer and funding issues.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/14/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2014
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/08/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/29/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/27/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2014
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 11/10/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/17/2014
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/16/2014
Comments: Completed. No Letter necessary.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/21/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/18/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 03/24/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/22/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/21/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/27/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/12/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/19/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/10/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 08/07/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/04/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/11/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/18/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2015
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/13/2015
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 12/18/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/28/2015
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/05/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/22/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/19/2016
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/04/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/11/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/18/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/22/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 05/06/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/27/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2016
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/20/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 09/16/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2014
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/07/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 10/05/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2016
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/05/2016
Comments: complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2016
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/22/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 3
Completed Document Type: Monitoring Report
Completed Date: 10/10/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 12/13/2014
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 09/25/2014
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/13/2014
Comments: Completed and accepted.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 02/10/2015
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/29/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 08/24/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 11/09/2015
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/29/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 07/29/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/13/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/08/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 07/13/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2016
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 05/31/2016
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/2017
Comments: Approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Conditionally approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 11/16/2015
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/16/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/03/2016
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/08/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 04/05/2016
Comments: Conditionally approved.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2016
Comments: Approved.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/03/2018
Comments: Completed.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/25/2017
Comments: Completed

Completed Area Name: Upper Operable Unit - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/03/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 04/04/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/22/2019
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2019
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2019
Comments: Reviewed and approved as final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/11/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/26/2019
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/03/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2018
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/11/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2016
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2016
Comments: Complete

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/09/2017
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/24/2019
Comments: Conditional Design Acceptance for Cell 2 Landfill Remedial System Design Documents issued for Construction.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/30/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2018
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/16/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/03/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Technical Workplan
Completed Date: 11/02/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/25/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/24/2018
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 07/12/2018
Comments: Approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/18/2019
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/17/2019
Comments: Reviewed and approved

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 05/22/2020
Comments: DTSC accepted this report.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2020
Comments: DTSC completed review of the report and accepted it.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2020
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/10/2020
Comments: DTSC completed review of these two reports and accepted them on 9/10/2020.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2020
Comments: DTSC completed review of the report and accepted it as is.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/23/2020
Comments: DTSC accepted the revised memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/20/2020
Comments: DTSC accepted the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2020
Comments: Review of monthly perimeter air monitoring reports up to December 2019 is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/30/2020
Comments: Design change notices were reviewed, discussed and approved during weekly construction coordination meetings throughout the construction phase.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/06/2020
Comments: DTSC representatives attended weekly construction coordination meetings until November 2019. DTSC received A formal letter from CRA dated 3/6/2020, notifying the hiatus of redevelopment related construction activities due to funding issue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/31/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/26/2020
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2020
Comments: DTSC accepted the Annual AQMD Rule 1150.1 Compliance Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/14/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/21/2020
Comments: DTSC accepted this report on 5/21/2020.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 12/25/1995
Comments: Not reported

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 07/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 02/04/2004
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 09/28/2006
Comments: Compliance Framework Agreement between DTSC and Carson Marketplace, LLC

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/25/2005
Comments: Notice of Exemption sent to the State Clearinghouse.

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/12/1999
Comments: Letter Agreement to investigate the lower Operable Unit at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/25/1995
Comments: DTSC completed its review of the RAP for the Cal Compact Landfill Upper Operable Unit, and has determined that the plan meets statutory requirements. CEQA documents were filed and approved accordingly.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/25/1995
Comments: DTSC issues a Remedial Action Order and Consent Order to BKK Corporation for the Cal Compact site. The Order applies to the Upper Operable Unit.

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: Remedial Action Order issued to the Defense Group to investigate the Lower Operable Unit

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/01/1979
Comments: Facility Identified: On Eckhardt List as Cal & Monsanto. Site used by Tennco Chemical.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 03/07/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Comments: Consent decree with 3M Company. Consent decree with site owners - "supplemental decree".

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 02/04/2004
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/25/2011
Comments: Reminder letter sent for unpaid past due invoice #10SM3071.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 03/18/1988
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/28/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 02/08/2006
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/18/2014
Comments: Completed

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 04/11/2001
Comments: As part of a lawsuit settlement between the Defense Group and 3M Company and DTSC, DTSC would be paid past costs, future oversight costs, and remediation costs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 08/14/1995
Comments: The Department of Toxic Substances Control enters into this Consent Decree with the Commercial Realty Projects, Inc. (CRP) to provide for certain environmental response actions at, and to resolve certain liability claims with respect to, the Cal Compact landfill site located in the city of Carson.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 3
Completed Document Type: Correspondence
Completed Date: 08/06/2014
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/18/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/23/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/16/2015
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2015
Comments: Completed and sent.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/20/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/16/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 02/22/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/22/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/20/2017
Comments: Meeting complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/25/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/28/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 07/19/2016
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/16/2015
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/09/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/27/2015
Comments: Complete

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/24/2015
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/22/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/14/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2017
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 01/24/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/20/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2017
Comments: Change of consultant from Tetrattech to SCS Engineers.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 09/08/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Escrow Agreement
Completed Date: 03/27/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Date: 08/28/2018
Comments: FY 1819 Estimate: \$316,827

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/27/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/29/2018
Comments: Carson Reclamation JPA sent DTSC a copy of the JPA's purchase order related to DTSC's estimate of DTSC's oversight costs that may be incurred during the fiscal year 2018/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/27/2020
Comments: DTSC will provide supporting information if needed, but no letter will be sent to other agencies.

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 03/06/2020
Comments: DTSC received the letter from CRA regarding stoppage of redevelopment construction activities on Cell 2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/27/2019
Comments: Change in Project Manager notification sent to RE Solutions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2019
Comments: FY 19/20 Estimate \$390,047

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 11/25/2019
Comments: DTSC issued letter on November 25, 2019 indicating the objection to payment request was resolved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate Letter completed.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/05/2020
Comments: DTSC notified the RP the PM change.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/12/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/10/2020
Comments: DTSC attended monthly O&M meetings. Meeting were held on line since March 2020 due to pandemic situation. Last meeting in fiscal year 2019-2020 was held on 6/10/2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Escrow Agreement
Completed Date: 01/25/2017
Comments: Agreement was executed on 1/25/2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 11/01/1993
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Cell 2
Completed Document Type: Correspondence
Completed Date: 01/03/2019
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/12/2018
Comments: Completed

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/26/1996
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/25/1995
Comments: Not reported

Completed Area Name: Upper Operable Unit
Completed Sub Area Name: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Completed Document Type: Remedial Investigation Report
Completed Date: 08/21/1995
Comments: The Remedial Investigation/Feasibility Study for the Cal Compact Landfill site prepared by Brown & Root Environmental is approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/30/1989
Comments: Not reported

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 03/20/2001
Comments: Remedial investigation of Lower OU (OU2) completed. An FS will not be done. However, a RAP is required.

Completed Area Name: Lower Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/24/2005
Comments: DTSC revised the LOURAP and therefore there is no approval letter.

Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 2
Future Document Type: Remedial Action Completion Report
Future Due Date: 2021
Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 3
Future Document Type: Remedial Action Completion Report
Future Due Date: 2023
Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 5
Future Document Type: Remedial Action Completion Report
Future Due Date: 2024
Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 4
Future Document Type: Remedial Action Completion Report
Future Due Date: 2022
Future Area Name: Upper Operable Unit
Future Sub Area Name: Cell 1
Future Document Type: Remedial Action Completion Report
Future Due Date: 2025
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

SWF/LF (SWIS):

Name: CAL COMPACT LF/METRO 2000
Address: 20400 S MAIN ST, CARSON, CA
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility ID: 19-AQ-0012
SWIS Number: 19-AQ-0012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

| | |
|---------------------------------------|-----------------------------|
| Point of Contact: | Dawn Liang |
| Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Operational Status: | Closed |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | A1 |
| EPA Federal Registry ID: | Not reported |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Unpermitted |
| Activity: | |
| SWIS Number: | 19-AQ-0012 |
| Site Name: | Cal Compact LF/Metro 2000 |
| Activity: | Solid Waste Disposal Site |
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | Not reported |
| Cease Operation Type: | Not reported |
| Inspection Frequency: | Quarterly |
| Throughput: | Not reported |
| Throughput Units: | Not reported |
| Remaining Capacity: | Not reported |
| Remaining Capacity Date: | Not reported |
| Capacity: | Not reported |
| Capacity Units: | Not reported |
| Total Acreage: | 0 |
| Disposal Acreage: | 0 |
| Permitted Elevation: | Not reported |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | Not reported |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Unpermitted |
| Site Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | A1 |
| EPA Federal Registry ID: | Not reported |
| County: | Los Angeles |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Street Address: 20400 S Main St, Carson, CA
City: Carson
State: CA
ZIP Code: 90745
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Owner:

SWIS Number: 19-AQ-0012
Owner: City Of Carson
Owner Address: 701 E Carson St
Owner City: Carson
Owner State: CA
Owner Zip: 90745
Site Name: Cal Compact LF/Metro 2000
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Unpermitted
Latitude: 33.84413
Longitude: -118.27322
Is Archived: No
Started On: 9/23/1998
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

LOS ANGELES CO. LF:

Name: CAL COMPACT LF/METRO 2000
Address: 20400 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Site ID: 1889
Alt. Address: 20402 South Main Street, Carson, CA; 20300 South Main Street, Carson, CA 90745
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Designated Waste Landfill
Site SWIS Number: 19-AQ-0012
Beginning Operation Date: Jul-59
Ending Operation Date: 1964
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 69
Permitted Capacity: Not reported
Present Use: Vacant
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Not reported
Hours of Operation: Not reported
Disposal Area (Acre): 157

Detail As Of 01/2014:

Operator Name: BKK Corporation (Carson)
Operator Address: 1550 127th Street

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Operator City/State/Zip: TORRANCE, CA
Operator Contact: Ben Kazarian
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Carson Reality Project Inc. (City of Carson)
Owner Address: 701 EAST CARSON ST
Owner City/State/Zip: Carson, CA 90745
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

LDS:

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN STREET
City,State,Zip: CARSON, CA 90745

Global Id: T10000005544
Latitude: 33.84270
Longitude: -118.2720
Case Type: Land Disposal Site
Status: Completed - Case Closed
Status Date: 05/23/2016
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Caseworker: WY
Local Agency: Not reported
RB Case Number: 95-075
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: T10000005544
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Name: WERDIN
Address: 20400 S. MAIN STREET
City,State,Zip: CARSON, CA

Global Id: T10000009325
Latitude: 33.84377
Longitude: -118.2779
Case Type: Land Disposal Site
Status: Completed - Case Closed
Status Date: 09/01/2016
Lead Agency: Not reported
Caseworker: Not reported
Local Agency: Not reported
RB Case Number: 64-059
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: T10000009325
Potential Contaminants of Concern: Not reported
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

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CORTESE:

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: 19490019
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 04/18/1996
Site Code: 400721, 401325, 401580, 401716
Latitude: 33.842605
Longitude: -118.27233
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:

edr_fname: CAL COMPACT LANDFILL
edr_fadd1: 20400 MAIN
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19490019

LOS ANGELES CO. HMS:

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: S4
Facility Status: Closed
Area: 22
Permit Number: 000675948
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Facility Id: 032716-053034
Facility Type: S4
Facility Status: Closed
Area: 22
Permit Number: 000675949
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: S4
Facility Status: Closed
Area: 22
Permit Number: 000675950
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: S4
Facility Status: Closed
Area: 22
Permit Number: 000675951
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: S4
Facility Status: Closed
Area: 22
Permit Number: 000675952
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000020895
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 00020895J
Permit Status: Closed

Name: TETRA TECH
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 907451034
Region: LA
Permit Category: I
Facility Id: 032716-053034
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000020574
Permit Status: Closed

NPDES:

Name: CARSON MARKETPLACE LLC
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C349993
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 03/23/2017
Operator Name: Carson Marketplace LLC
Operator Address: 4350 Von Karman Ave Ste 200
Operator City: Newport Beach
Operator State: California
Operator Zip: 92660

NPDES as of 03/2018:

NPDES Number: CAS000002
Status: Terminated
Agency Number: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Region: 4
Regulatory Measure ID: 337845
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C349993
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/12/2007
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 03/23/2017
Discharge Name: Carson Marketplace LLC
Discharge Address: 4350 Von Karman Ave Ste 200
Discharge City: Newport Beach
Discharge State: California
Discharge Zip: 92660
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

| | |
|---|--------------------------------|
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | Not reported |
| Status: | Not reported |
| Agency Number: | Not reported |
| Region: | 4 |
| Regulatory Measure ID: | 337845 |
| Order Number: | Not reported |
| Regulatory Measure Type: | Construction |
| Place ID: | Not reported |
| WDID: | 4 19C349993 |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | 03/23/2017 |
| Discharge Name: | Not reported |
| Discharge Address: | Not reported |
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Received Date: | 05/09/2008 |
| Processed Date: | 12/12/2007 |
| Status: | Terminated |
| Status Date: | 03/23/2017 |
| Place Size: | 157 |
| Place Size Unit: | Acres |
| Contact: | Javier Weckmann |
| Contact Title: | Vice President |
| Contact Phone: | 909-967-2504 |
| Contact Phone Ext: | Not reported |
| Contact Email: | javier.weckmann@tetrattech.com |
| Operator Name: | Carson Marketplace LLC |
| Operator Address: | 4350 Von Karman Ave Ste 200 |
| Operator City: | Newport Beach |
| Operator State: | California |
| Operator Zip: | 92660 |
| Operator Contact: | John Raymond |
| Operator Contact Title: | General Manager- Director |
| Operator Contact Phone: | 310-952-1773 |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | JRaymond@carson.ca.us |
| Operator Type: | Private Business |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Developer: Carson Reclamation Authority
Developer Address: 701 E Carson Street
Developer City: Carson
Developer State: California
Developer Zip: 90745
Developer Contact: John Raymond
Developer Contact Title: General Manager= Director
Constype Linear Utility Ind: N
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: Y
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Description: Not reported
Constype Other Ind: N
Constype Recons Ind: N
Constype Residential Ind: Y
Constype Transport Ind: N
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: Torrance Channel Dominquez Channel
Certifier: Ric Kern
Certifier Title: Not reported
Certification Date: 02-OCT-13
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: CARSON MARKETPLACE LLC
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Agency: Carson Marketplace LLC
Agency Address: 4350 Von Karman Ave Ste 200, Newport Beach, CA 92660
Place/Project Type: Construction - Commercial, Residential
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C349993
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 12/12/2007
Termination Date: 03/23/2017
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 2
Latitude: 33.84276
Longitude: -118.27314

CERS:

Name: WERDIN
Address: 20400 S. MAIN STREET
City,State,Zip: CARSON, CA
Site ID: 379200
CERS ID: T1000009325
CERS Description: Land Disposal Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Wen Yang - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136202253

Name: CAL COMPACT LF/METRO 2000
Address: 20400 S MAIN ST, CARSON, CA
City,State,Zip: CARSON, CA
Site ID: 507325
CERS ID: 19-AQ-0012
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: CITY OF CARSON
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90749
Affiliation Phone: Not reported

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN STREET
City,State,Zip: CARSON, CA 90745
Site ID: 205689
CERS ID: T1000005544
CERS Description: Land Disposal Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Wen Yang - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAL COMPACT LANDFILL (Continued)

S101480945

Affiliation City: LOS ANGELES
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2136202253

LOS ANGELES CO LF METHANE:

Name: CAL COMPACT LF/METRO 2000
 Address: 20400 SOUTH MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Site Number: 1889
 Status: Closed
 Description: Designated Waste Landfill
 Operator Name: BKK Corporation (Carson)
 Operator Telephone: Not reported

**I35
 NE
 1/8-1/4
 0.134 mi.
 709 ft.**

**CAL COMPACT LANDFILL
 20400 MAIN ST
 CARSON, CA 90745**

**RCRA-SQG 1025882690
 CAR000254037**

Site 6 of 8 in cluster I

**Relative:
 Higher
 Actual:
 26 ft.**

RCRA-SQG:
 Date Form Received by Agency: 2016-11-17 00:00:00.0
 Handler Name: CAL COMPACT LANDFILL
 Handler Address: 20400 MAIN ST
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAR000254037
 Contact Name: JOHN RAYMOND
 Contact Address: EAST CARSON STREET
 Contact City,State,Zip: CARSON, CA 90745
 Contact Telephone: 310-952-1773
 Contact Fax: Not reported
 Contact Email: JRAYMOND@CARSON.CA.US
 Contact Title: EXECUTIVE DIRECTOR
 EPA Region: 09
 Land Type: Municipal
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: MAIN ST
 Mailing City,State,Zip: CARSON, CA 90745
 Owner Name: CARSON RECLAMATION AUTHORITY
 Owner Type: Other
 Operator Name: CARSON RECLAMATION AUTHORITY
 Operator Type: Private
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAL COMPACT LANDFILL (Continued)

1025882690

| | |
|--|-----------------------|
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2016-12-16 14:24:38.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|--------------------|-----------------|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D002 |
| Waste Description: | CORROSIVE WASTE |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

1025882690

Waste Code: F001
Waste Description: 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.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS 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 F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CARSON RECLAMATION AUTHORITY
Legal Status: Other
Date Became Current: 2015-05-18 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 701 EAST CARSON ST
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 310-952-1773
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TETRA TECH INC
Legal Status: Private
Date Became Current: 2007-12-21 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LANDFILL (Continued)

1025882690

Owner/Operator Indicator: Owner
Owner/Operator Name: CARSON RECLAMATION AUTHORITY
Legal Status: Other
Date Became Current: 2015-05-19 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 701 EAST CARSON ST
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 310-830-7600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CARSON RECLAMATION AUTHORITY
Legal Status: Private
Date Became Current: 2015-05-18 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2015-05-22 00:00:00.0
Handler Name: THE BOULEVARDS AT SOUTH BAY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-11-17 00:00:00.0
Handler Name: CAL COMPACT LANDFILL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 562910
NAICS Description: REMEDIATION SERVICES

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAL COMPACT LANDFILL (Continued)

1025882690

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

I36
NE
1/8-1/4
0.134 mi.
709 ft.
Relative:
Higher
Actual:
26 ft.

CAL COMPACT LF / METRO 2000
20400 MAIN ST
CARSON, CA 90745
Site 7 of 8 in cluster I

HIST Cal-Sites
CERS HAZ WASTE
CERS TANKS
HAZNET
NPDES
WDS
CIWQS
CERS
HWTS

S105689594
N/A

Calsite:
 Name: CAL COMPACT LANDFILL
 Address: 20400 MAIN ST
 City: CARSON
 Region: CYPRESS
 Facility ID: 19490019
 Facility Type: RP
 Type: RESPONSIBLE PARTY
 Branch: SB
 Branch Name: SO CAL - CYPRESS
 File Name: Not reported
 State Senate District: 04181996
 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: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 Staff Member Responsible for Site: DZOGAIB
 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: Not reported
 State Assembly District Code: 55
 State Senate District Code: 28
 Facility ID: 19490019
 Activity: RMDL
 Activity Name: REMEDIAL ACTION (RAP REQUIRED)
 AWP Code: OU-1
 Proposed Budget: 0
 AWP Completion Date: 12312006
 Revised Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

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
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: 19490019
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: Not reported
Proposed Budget: 0
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
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: 19490019
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: 08311998
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

| | |
|-------------------------------|---|
| 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: | 19490019 |
| Activity: | CERT |
| Activity Name: | CERTIFICATION |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | 06302009 |
| 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: | 19490019 |
| Activity: | RAP |
| Activity Name: | REMEDIAL ACTION PLAN / RECORD OF DECISION |
| AWP Code: | LOU |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Revised Due Date: | Not reported |
| Comments Date: | 01242005 |
| 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: | 19490019 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: LOU
Proposed Budget: 0
AWP Completion Date: 12312006
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: 19490019
Activity: DES
Activity Name: DESIGN
AWP Code: LOU
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: 19490019
Activity: COST
Activity Name: COST RECOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04112001
Est Person-Yrs to complete: 0
Estimated Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

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: 19490019
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: CNDEC
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10122000
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: 19490019
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: LOU
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03202001
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

Map ID
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Elevation

MAP FINDINGS

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Database(s)

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CAL COMPACT LF / METRO 2000 (Continued)

S105689594

| | |
|-------------------------------|----------------------------------|
| Activity Comments: | Not reported |
| For Commercial Reuse: | 0 |
| For Industrial Reuse: | 0 |
| For Residential Reuse: | 0 |
| Unknown Type: | 0 |
| Facility ID: | 19490019 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | 3M |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 03072001 |
| 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: | 19490019 |
| Activity: | ORDER |
| Activity Name: | I/SE, IORSE, FFA, FFSRA, VCA, EA |
| AWP Code: | SUPPL |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 03072001 |
| 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: | 19490019 |
| Activity: | DISC |
| Activity Name: | DISCOVERY |
| AWP Code: | Not reported |

Map ID
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Database(s)

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CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04011979
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: 19490019
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: 02191988
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: 19490019
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
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE

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CAL COMPACT LF / METRO 2000 (Continued)

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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: 19490019
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: 12301989
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: 19490019
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: OU-1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05251995
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

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CAL COMPACT LF / METRO 2000 (Continued)

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For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19490019
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: OU-1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08211995
Est Person-Yrs to complete: 0.35000
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
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: 19490019
Activity: PPA
Activity Name: PROSPECTIVE PURCHASER AGREEMENT
AWP Code: OU-1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08141995
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: 19490019
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

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CAL COMPACT LF / METRO 2000 (Continued)

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Comments Date: 10251995
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: 19490019
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: OU-1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10251995
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
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: 19490019
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: OU-2
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 04121999
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

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CAL COMPACT LF / METRO 2000 (Continued)

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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: 19490019
Activity: DES
Activity Name: DESIGN
AWP Code: OU-1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06261996
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
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: 20300 SOUTH MAIN STREET
Alternate City,St,Zip: CARSON, CA 90745
Alternate Address: DEL AMO BLVD BETW MAIN ST & SAN DIEGO FW
Alternate City,St,Zip: CARSON, CA 90745
Alternate Address: 20400 SOUTH MAIN STREET
Alternate City,St,Zip: CARSON, CA 90745
Alternate Address: 20400 MAIN ST
Alternate City,St,Zip: CARSON, CA 90745
Background Info: The Cal Compact Landfill is a former Class II landfill that occupies approximately 157 acres. Operations at this facility were conducted from 1959 to 1968. The landfill was designated as a Class II facility, and at least 250,000 cubic yards of hazardous waste liquids and sludges were disposed. Previous limited investigations show the presence of heavy metals, (lead, nickel, arsenic) dichlorodiphenyl-trichloroethane (DDT), herbicides, organic resins, hydrocarbons, and solvents in the soil and landfill leachate at the site.
There is a potential for contaminants to migrate to groundwater, surface water and air. Exposure of humans to airborne volatile organic compounds in air may be facilitated by movement of these substances from decomposing landfill material to the atmosphere. Although the fill material was capped with about 3 to 20 feet of cover soil when the landfill ceased operations, landfill gas containing methane has been detected escaping from cracks in the cover material and offsite. These gases may

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CAL COMPACT LF / METRO 2000 (Continued)

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contain hazardous volatile organic substances.
There is a potential threat to groundwater posed by landfill leachate. Contamination has been found in the unused perched aquifer, which may be hydrologically connected to deeper, usable aquifers.
The site is adjacent to the Dominguez Channel, a waterway that flows into the Los Angeles Harbor. Should landfill materials become exposed, they may be transported as rain runoff to the Channel.
A RAO was issued in March 1988 to 14 PRP's. Twelve of the 14 PRPs have been found in noncompliance with the RAO. Due to the bankruptcy of the Landowner, the RI did not start until September 1990. This work is being conducted by a trustee of the bankruptcy court.

Comments Date: 01081981
Comments: Determination requested by City of Carson.
Comments Date: 01152004
Comments: LFG extraction test completed.
Comments Date: 01242005
Comments: Groundwater monitoring of Gage aquifer.
Comments Date: 01252005
Comments: Notice of Exemption sent to the State Clearinghouse.
Comments Date: 02191988
Comments: Site Screening Done: Site is part of the State Bond Expenditure
Comments Date: 02191988
Comments: Plan.
Comments Date: 02231993
Comments: A conference call was held with Metro 2000 and its consultant
Comments Date: 02231993
Comments: regarding the Lynwood and Silverado aquifer investigation.
Comments Date: 03072001
Comments: Consent decree with 3M Company. Consent decree with site
Comments Date: 03072001
Comments: owners - "supplemental decree".
Comments Date: 03131981
Comments: Determination requested by Developer.
Comments Date: 03202001
Comments: Remedial investigation of Lower OU (OU2) completed. An FS
Comments Date: 03202001
Comments: will not be done. However, a RAP is required.
Comments Date: 04011979
Comments: Facility Identified: On Eckhardt List as Cal & Monsanto.
Comments Date: 04011979
Comments: Site used by Tennco Chemical.
Comments Date: 04041995
Comments: L.A. MetroMall has proposed to construct a retail outlet mall at
Comments Date: 04041995
Comments: the Cal Compact Landfill site. The mall, if constructed, will be
Comments Date: 04041995
Comments: one of the largest outlet shopping centers in the nation. This
Comments Date: 04041995
Comments: proposed project will generate hundreds of new jobs and millions
Comments Date: 04112001
Comments: As part of a lawsuit settlement between the Defense Group and
Comments Date: 04112001
Comments: 3M Company and DTSC, DTSC would be paid past costs, future
Comments Date: 04112001

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CAL COMPACT LF / METRO 2000 (Continued)

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Comments: oversight costs, and remediation costs.
Comments Date: 04121999
Comments: Letter Agreement to investigate the lower Operable Unit at the
Comments Date: 04121999
Comments: site.
Comments Date: 05011981
Comments: HMMS sampling.
Comments Date: 05082003
Comments: Supplemental decree with site owners.
Comments Date: 05251995
Comments: DTSC issues a Remedial Action Order and Consent Order to BKK
Comments Date: 05251995
Comments: Corporation for the Cal Compact site. The Order applies to the
Comments Date: 05251995
Comments: Upper Operable Unit.
Comments Date: 06182003
Comments: Consent Decree with municipalities.
Comments Date: 07251991
Comments: Former Class I landfill. Contaminants include drilling muds,
Comments Date: 07251991
Comments: petrochemicals, solvents, paints, heavy metals (Pb, Ni, As),
Comments Date: 07251991
Comments: pesticides, DDT, and herbicides.
Comments Date: 08141995
Comments: The Department of Toxic Substances Control enters into this
Comments Date: 08141995
Comments: Consent Decree with the Commercial Realty Projects, Inc.
Comments Date: 08141995
Comments: (CRP) to provide for certain environmental response actions
Comments Date: 08141995
Comments: at, and to resolve certain liability claims with respect to,
Comments Date: 08141995
Comments: the Cal Compact landfill site located in the city of Carson.
Comments Date: 08211995
Comments: The Remedial Investigation/Feasibility Study for the Cal Compact
Comments Date: 08211995
Comments: Landfill site prepared by Brown & Root Environmental is approved.
Comments Date: 08252003
Comments: DTSC approved LFG System Pilot Study Workplan.
Comments Date: 09091998
Comments: Agreement to perform work signed. Workplan to locate abandoned
Comments Date: 09091998
Comments: oil and water wells, develop plans to abandon those wells, if
Comments Date: 09091998
Comments: located, conduct groundwater monitoring.
Comments Date: 09202001
Comments: DTSC met with RP's representative and consultant to discuss
Comments Date: 09202001
Comments: installation of interim landfill gas collection system.
Comments Date: 10122000
Comments: Consent Decree with Defense Group. Consent Decree with 3M Co.
Comments Date: 10122000
Comments: Supplemental Decree.
Comments Date: 10151980
Comments: Received Eckhardt Survey.
Comments Date: 10231980
Comments: Facility Drive-By: Site looks suspicious.

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CAL COMPACT LF / METRO 2000 (Continued)

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Comments Date: 10251995
Comments: DTSC completed its review of the RAP for the Cal Compact Landfill
Comments Date: 10251995
Comments: Upper Operable Unit, and has determined that the plan meets
Comments Date: 10251995
Comments: statutory requirements. CEQA documents were filed and approved
Comments Date: 10251995
Comments: accordingly.
Comments Date: 11131980
Comments: Met with property-owner representatives.
Comments Date: 12021980
Comments: Sampling by HMMS.
Comments Date: 12052003
Comments: LFG pilot test wells installed.
Comments Date: 12102003
Comments: LFG pilot test headerline installed.
Comments Date: 12191989
Comments: EPA's reassessment of Screening Site Assessment recommends
Comments Date: 12191989
Comments: Listing Site Inspection (high-priority).
Comments Date: 12191996
Comments: In December 1996, the U.S. District Court approved the Consent
Comments Date: 12191996
Comments: Decree. PRPs opposing the Consent Decree filed an appeal with
Comments Date: 12191996
Comments: the 9th circuit Court of Appeals. The appeal is not scheduled
Comments Date: 12191996
Comments: to be heard until mid 1998.
Comments Date: 12271995
Comments: The Attorney General's Office lodged the Consent Decree, on
Comments Date: 12271995
Comments: behalf of DTSC, with the US District Court for the Central
Comments Date: 12271995
Comments: District of California, in case #95-8773-JMI (JRx). A 30
Comments Date: 12271995
Comments: day public notice period was held and ran through 3/7/96.
Comments Date: 04041995
Comments: of dollars of revenue for the state and local economy.
ID Name: CALSTARS CODE
ID Value: 400019
ID Name: BEP DATABASE PCODE
ID Value: P41008
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD980735955
Alternate Name: CAL COMPACT LANDFILL
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

CERS HAZ WASTE:

Name: FORMER CAL COMPACT
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 446150
CERS ID: 10590610
CERS Description: Hazardous Waste Generator

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CAL COMPACT LF / METRO 2000 (Continued)

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CERS TANKS:

Name: FORMER CAL COMPACT
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 446150
CERS ID: 10590610
CERS Description: Aboveground Petroleum Storage

HAZNET:

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907452224
Contact: JOHN RAYMOND
Telephone: 3109521773
Mailing Name: Not reported
Mailing Address: 701 EAST CARSON STREET

Year: 2019
Gepaid: CAR000254037
TSD EPA ID: CAD028409019
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.18765

Year: 2018
Gepaid: CAR000254037
TSD EPA ID: CAD028409019
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.29607

Year: 2018
Gepaid: CAR000254037
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.50000

Year: 2018
Gepaid: CAR000254037
TSD EPA ID: CAD028409019
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05000

Year: 2018
Gepaid: CAR000254037
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

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Tons: 1.15500

Year: 2017
Gepaid: CAR000254037
TSD EPA ID: AZR000506980
CA Waste Code: -
Disposal Method: -
Tons: 0.2

Year: 2015
Gepaid: CAR000254037
TSD EPA ID: AZD982441263
CA Waste Code: 351 - Organic solids with halogens
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 0.1

Additional Info:

Year: 2015
Gen EPA ID: CAR000254037

Shipment Date: 20150724
Creation Date: 1/21/2016 22:15:55
Receipt Date: 20150728
Manifest ID: 010511898JJK
Trans EPA ID: MIK103800723
Trans Name: EVOQUA WATER TECHNOLOGIES LLC
Trans 2 EPA ID: CAD983608258
Trans 2 Name: OCEAN BLUE
TSD EPA ID: AZD982441263
Trans Name: EVOQUA WATER TECHNOLOGIES LLC
TSD EPA ID: Not reported
TSD EPA Name: Not reported
Waste Code Description: 351 - Organic solids with halogens
RCRA Code: D018
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2017
Gen EPA ID: CAR000254037

Shipment Date: 20170913
Creation Date: 7/24/2018 18:30:44
Receipt Date: 20170927
Manifest ID: 010406688FLE
Trans EPA ID: CAR000163097

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CAL COMPACT LF / METRO 2000 (Continued)

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Trans Name: K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID: CAD981996895
Trans 2 Name: JSE ENVIRONMENTAL SERVICES INC
TSDf EPA ID: AZR000506980
Trans Name: SOUTH YUMA COUNTY LANDFILL
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

NPDES:

Name: CARSON RECLAMATION AUTHORITY SITE
Address: 20400 MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility Status: Active
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 465924
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C374699
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 11/23/2015
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 701 East Carson Street
Discharge Name: Carson Reclamation Authority
Discharge City: Carson
Discharge State: California
Discharge Zip: 90745
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 465924
Order Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C374699
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 11/16/2015
Processed Date: 11/23/2015
Status: Active
Status Date: 11/23/2015
Place Size: 157
Place Size Unit: Acres
Contact: Mike Cowan
Contact Title: QSP
Contact Phone: 310-965-0137
Contact Phone Ext: Not reported
Contact Email: Mike.Cowan@tetrattech.com
Operator Name: Carson Reclamation Authority
Operator Address: 701 East Carson Street
Operator City: Carson
Operator State: California
Operator Zip: 90745
Operator Contact: John Raymond
Operator Contact Title: Executive Director
Operator Contact Phone: 310-952-1773
Operator Contact Phone Ext: Not reported
Operator Contact Email: jraymond@carson.ca.us
Operator Type: Government Agency Combination
Developer: Carson Reclamation Authority
Developer Address: 701 East Carson Street
Developer City: Carson
Developer State: California
Developer Zip: 90745
Developer Contact: John Raymond
Developer Contact Title: Executive Director
Constype Linear Utility Ind: N
Emergency Phone: 562-618-0032
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: N
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Description: Not reported
Constype Other Ind: N
Constype Recons Ind: N
Constype Residential Ind: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

| | |
|---|---------------------------------------|
| Constype Transport Ind: | N |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | N |
| Constype Water Sewer Ind: | N |
| Dir Discharge Uswater Ind: | Y |
| Receiving Water Name: | Dominguez Channel; Los Angeles Harbor |
| Certifier: | John Raymond |
| Certifier Title: | Executive Director |
| Certification Date: | 16-NOV-15 |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | CAS000002 |
| Status: | Active |
| Agency Number: | 0 |
| Region: | 4 |
| Regulatory Measure ID: | 465924 |
| Order Number: | 2009-0009-DWQ |
| Regulatory Measure Type: | Enrollee |
| Place ID: | Not reported |
| WDID: | 4 19C374699 |
| Program Type: | Construction |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | 11/23/2015 |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Carson Reclamation Authority |
| Discharge Address: | 701 East Carson Street |
| Discharge City: | Carson |
| Discharge State: | California |
| Discharge Zip: | 90745 |
| Received Date: | Not reported |
| Processed Date: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: CARSON RECLAMATION AUTHORITY SITE
Address: 20400 MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C374699
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 11/23/2015

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Operator Name: Carson Reclamation Authority
Operator Address: 701 East Carson Street
Operator City: Carson
Operator State: California
Operator Zip: 90745

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 465924
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C374699
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 11/16/2015
Processed Date: 11/23/2015
Status: Active
Status Date: 11/23/2015
Place Size: 157
Place Size Unit: Acres
Contact: Mike Cowan
Contact Title: QSP
Contact Phone: 310-965-0137
Contact Phone Ext: Not reported
Contact Email: Mike.Cowan@tetrattech.com
Operator Name: Carson Reclamation Authority
Operator Address: 701 East Carson Street
Operator City: Carson
Operator State: California
Operator Zip: 90745
Operator Contact: John Raymond
Operator Contact Title: Executive Director
Operator Contact Phone: 310-952-1773
Operator Contact Phone Ext: Not reported
Operator Contact Email: jraymond@carson.ca.us
Operator Type: Government Agency Combination
Developer: Carson Reclamation Authority
Developer Address: 701 East Carson Street
Developer City: Carson
Developer State: California
Developer Zip: 90745
Developer Contact: John Raymond
Developer Contact Title: Executive Director
Constype Linear Utility Ind: N
Emergency Phone: 562-618-0032
Emergency Phone Ext: Not reported

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

| | |
|---|---------------------------------------|
| Constype Above Ground Ind: | N |
| Constype Below Ground Ind: | N |
| Constype Cable Line Ind: | N |
| Constype Comm Line Ind: | N |
| Constype Commercial Ind: | N |
| Constype Electrical Line Ind: | N |
| Constype Gas Line Ind: | N |
| Constype Industrial Ind: | N |
| Constype Other Description: | Not reported |
| Constype Other Ind: | N |
| Constype Recons Ind: | N |
| Constype Residential Ind: | N |
| Constype Transport Ind: | N |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | N |
| Constype Water Sewer Ind: | N |
| Dir Discharge Uswater Ind: | Y |
| Receiving Water Name: | Dominguez Channel; Los Angeles Harbor |
| Certifier: | John Raymond |
| Certifier Title: | Executive Director |
| Certification Date: | 16-NOV-15 |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | CAS000002 |
| Status: | Active |
| Agency Number: | 0 |
| Region: | 4 |
| Regulatory Measure ID: | 465924 |
| Order Number: | 2009-0009-DWQ |
| Regulatory Measure Type: | Enrollee |
| Place ID: | Not reported |
| WDID: | 4 19C374699 |
| Program Type: | Construction |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | 11/23/2015 |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Carson Reclamation Authority |
| Discharge Address: | 701 East Carson Street |
| Discharge City: | Carson |
| Discharge State: | California |
| Discharge Zip: | 90745 |
| Received Date: | Not reported |
| Processed Date: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

| | |
|-------------------------------|--------------|
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |

WDS:

| | |
|---------------------|---|
| Name: | CAL COMPACT LANDFILL |
| Address: | 20400 MAIN ST |
| City: | CARSON |
| Facility ID: | 4 19I012013 |
| Facility Type: | Not reported |
| 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: | Not reported |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Facility Contact: Not reported
Agency Name: L.A. METROMALL L.L.C.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
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 cooling water dischargers or those who 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:

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Agency: Cal Compact Landfill
Agency Address: 4350 Von Karman Ave Ste 200, Newprot Beach, CA 92660
Place/Project Type: Industrial - Refuse Systems
SIC/NAICS: 4953
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I021247
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 10/29/2007
Termination Date: 01/15/2009
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

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Violations within 5 years: 0
Latitude: 33.84644
Longitude: -118.2801

Name: CARSON RECLAMATION AUTHORITY SITE
Address: 20400 MAIN STREET
City,State,Zip: CARSON, CA 90745
Agency: Carson Reclamation Authority
Agency Address: 701 East Carson Street, Carson, CA 90745
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C374699
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 11/23/2015
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.8453
Longitude: -118.28

CERS:

Name: CARSON RECLAMATION AUTHORITY SITE
Address: 20400 MAIN STREET
City,State,Zip: CARSON, CA 90745
Site ID: 528723
CERS ID: 842165
CERS Description: Construction Storm Water

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Regional Board Staff visited and inspected the facility to determine compliance with CGP. At the facility, Staff met with Mr. Tom Olivor, Construction Manager of RE Solutions, Mr. Colin Campbell, QC Inspector of TRC, Mr. Sean Thomas, QC Inspector of TRC, Mr. Art Countz, Construction Quality Manager of TRC, and Mr. Kenny Knecht, Construction Project Manager. Mr. Knecht and Mr. Olivor provided authorization to access the facility and gave permission to take photos during the inspection (Photos 1-6). Mr. Thomas was designated to accompany Staff during the inspection. The construction project was in progress during the inspection. SWPPP and BMP violations were observed during the inspection. The SWPPP and monitoring program documentation need to be updated to include a revised site map, list of trained personnel, list of contractors and subcontractors,

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MAP FINDINGS

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Database(s)

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EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

pollution prevention team update, and certifications. Minor BMP violations were observed including damaged sand bags that need replacement and trash observed collected in an area at the northeast side. A NTC was issued for the SWPPP and BMP violations. On November 20, 2018, a NTC response was received; response is attached to this inspection report. Based on the inspection findings and the response received, the facility is in compliance with CGP.

Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Carson Reclamation Authority
Entity Title: Operator
Affiliation Address: 701 East Carson Street
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Name: FORMER CAL COMPACT
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 446150
CERS ID: 10590610
CERS Description: Chemical Storage Facilities

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Daniela De La Torre, RE Solutions Administrator No significant violation was observed at the time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Daniela De La Torre, RE Solutions Administrator No significant violation was observed at the time of inspection.

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Daniela De La Torre, RE Solutions Administrator No significant violation was observed at the time of inspection.

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Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 446150
Facility Name: Former Cal Compact
Env Int Type Code: APSA
Program ID: 10590610
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.846040
Longitude: -118.280010

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Carson Reclamation Authority
Entity Title: Not reported
Affiliation Address: 701 E. Carson St.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90745
Affiliation Phone: (310) 952-1773

Affiliation Type Desc: Property Owner
Entity Name: Carson Reclamation Authority
Entity Title: Not reported
Affiliation Address: 701 E. Carson St.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90745
Affiliation Phone: (310) 952-1773

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Sally Schoemann
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Entity Name: Richard Lesser
Entity Title: Environmental Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: RE Solutions
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (303) 562-5875

Affiliation Type Desc: Parent Corporation
Entity Name: Former Cal Compact
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Richard Lesser
Entity Title: Not reported
Affiliation Address: 1525 Raleigh St., Ste 240
Affiliation City: Denver
Affiliation State: CO
Affiliation Country: Not reported
Affiliation Zip: 80204
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 20400 Main St.
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 335477
CERS ID: 19490019
CERS Description: State Response

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Affiliation:

Affiliation Type Desc: Lead Project Manager
Entity Name: NING-WU CHANG
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: EMAD YEMUT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CAL COMPACT LF / METRO 2000
Address: 20400 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 456530
CERS ID: 110014015243
CERS Description: US EPA Air Emission Inventory System (EIS)

HWTS:

Name: CAL COMPACT LANDFILL
Address: 20400 MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
EPA ID: CAR000254037
Inactive Date: Not reported
Create Date: 06/19/2015
Last Act Date: 09/10/2020
Mailing Name: Not reported
Mailing Address: 701 EAST CARSON STREET
Mailing Address 2: Not reported
Mailing City,State,Zip: CARSON, CA 907452224
Owner Name: CARSON RECLAMATION AUTHORITY
Owner Address: 701 EAST CARSON STREET
Owner Address 2: Not reported
Owner City,State,Zip: CARSON, CA 90745
Contact Name: JOHN RAYMOND
Contact Address: 701 CARSON STREET
Contact Address 2: Not reported
City,State,Zip: CARSON, CA 90745

NAICS:

EPA ID: CAR000254037
Create Date: 2015-06-19 14:12:56.970
NAICS Code: 56291
NAICS Description: Remediation Services
Issued EPA ID Date: 2015-06-19 14:12:56.97000

Map ID
 Direction
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAL COMPACT LF / METRO 2000 (Continued)

S105689594

Inactive Date: Not reported
 Facility Name: CAL COMPACT LANDFILL
 Facility Address: 20400 MAIN ST
 Facility Address 2: Not reported
 Facility City: CARSON
 Facility County: Not reported
 Facility State: CA
 Facility Zip: 90745

I37
NE
1/8-1/4
0.134 mi.
709 ft.

HAYWARD BAKER
20400 MAIN STREET
CARSON, CA 90745
Site 8 of 8 in cluster I

RCRA NonGen / NLR 1025844111
CAC003023729

Relative:
Higher
Actual:
26 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2019-07-12 00:00:00.0
 Handler Name: HAYWARD BAKER
 Handler Address: 20400 MAIN STREET
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAC003023729
 Contact Name: KEITH TREXLER
 Contact Address: 20400 MAIN STREET
 Contact City,State,Zip: CARSON, CA 90745
 Contact Telephone: 847-417-7008
 Contact Fax: Not reported
 Contact Email: JKTREXLER@HAYWARDBAKER.COM
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 1870 CORDELL COURT, SUITE 201
 Mailing City,State,Zip: EL CAJON, CA 92020-0916
 Owner Name: HAYWARD BAKER
 Owner Type: Other
 Operator Name: KEITH TREXLER
 Operator Type: Other
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: Yes
 Universal Waste Destination Facility: Yes
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HAYWARD BAKER (Continued)

102584411

| | |
|--|-----------------------|
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2019-07-29 17:12:47.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|--------------------------------|-------------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | HAYWARD BAKER |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1870 CORDELL COURT, SUITE 201 |
| Owner/Operator City,State,Zip: | EL CAJON, CA 92020-0916 |
| Owner/Operator Telephone: | 619-443-3891 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Owner/Operator Indicator: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAYWARD BAKER (Continued)

1025844111

Owner/Operator Name: KEITH TREXLER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 20400 MAIN STREET
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 847-417-7008
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-07-12 00:00:00.0
Handler Name: HAYWARD BAKER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 238290
NAICS Description: OTHER BUILDING EQUIPMENT CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J38
NNW
1/8-1/4
0.142 mi.
749 ft.

CITY OF CARSON - TDJ PIONEER
20300 FIGUEROA
CARSON, CA 90745

SWF/LF S106387032
CPS-SLIC N/A
CERS

Site 1 of 3 in cluster J

Relative: LOS ANGELES CO. LF:
Higher Name: MB LANDSCAPING AND NURSERY, INC.
Actual: Address: 20300 SOUTH FIGUEROA
38 ft. City,State,Zip: CARSON, CA 90248
Site ID: 2769
Alt. Address: N/A
Site Contact: Not reported
Site Contact Phone: (310) 527-7750
Site Email: sales@mbnursery.com
Site Website: N/A
Site Type: Composting Facility
Site SWIS Number: 19-AA-1070
Beginning Operation Date: N/A
Ending Operation Date: N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - TDJ PIONEER (Continued)

S106387032

Local Enforcement Agency: County of Los Angeles Department of Public Health
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: 12
Present Use: Composting Operation (Green Waste)
Remaining Capacity(Million): N/A
Status: Active
Waste Accepted: Green Materials;
Hours of Operation: Monday-Friday 6 am -5 pm; Saturday 6 am -4 pm; Sunday 7 am-3pm
Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: MB Landscaping and Nusery, Inc.
Operator Address: 20300 SOUTH FEGUEROA
Operator City/State/Zip: CARSON, ca 90745
Operator Contact: Socorro Garrido
Operator Telephone: (310) 527-7750
Operator Email: Not reported
Owner Name: Watson Land Company
Owner Address: 22010 South Wilmington Ave; Suite 400
Owner City/State/Zip: Carson, CA 90745
Owner Contact: Mike Genewick
Owner Telephone: (310) 755-3486
Owner Email: Not reported

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0496D1
Substance: Not reported
Staff: SSH

CPS-SLIC:

Name: CITY OF CARSON - TDJ PIONEER
Address: 20300 FIGUEROA ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43306304
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.850226
Longitude: -118.283378
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496D1
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: CITY OF CARSON - TDJ PIONEER

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF CARSON - TDJ PIONEER (Continued)

S106387032

Address: 20300 FIGUEROA ST
 City,State,Zip: CARSON, CA 90745
 Site ID: 212822
 CERS ID: SLT43306304
 CERS Description: Cleanup Program Site

Affiliation:
 Affiliation Type Desc: Regional Board Caseworker
 Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4th Street, Suite
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2135766725

J39
NNW
1/8-1/4
0.148 mi.
781 ft.

CITY OF CARSON - THK CO.
20350 FIGUEROA
CARSON, CA 90745
Site 2 of 3 in cluster J

CPS-SLIC **S105520902**
N/A

Relative:
Higher
Actual:
32 ft.

SLIC REG 4:
 Region: 4
 Facility Status: Site Assessment
 SLIC: 0496D4
 Substance: Not reported
 Staff: SSH

K40
North
1/8-1/4
0.149 mi.
788 ft.

GS NURSERY
20331 MAIN STREET
CARSON, CA 90745
Site 1 of 2 in cluster K

ENVIROSTOR **S109426926**
SWF/LF **N/A**
VCP
LIENS
CERS

Relative:
Lower
Actual:
24 ft.

ENVIROSTOR:
 Name: GS NURSERY
 Address: 20331 MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Facility ID: 60000514
 Status: Inactive - Needs Evaluation
 Status Date: 10/02/2018
 Site Code: 401326
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 5.42
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Eileen Mananian
 Supervisor: Eileen Mananian
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: Voluntary Cleanup Program

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84670
Longitude: -118.2820
APN: 7336004010
Past Use: LANDFILL - CONSTRUCTION
Potential COC: Benzene DDD DDE DDT Methane TPH-diesel Bis(2-ethylhexyl)phthalate (DEHP) Butyl benzyl phthalate Chlorobenzene 1,4-Dichlorobenzene Ethylbenzene Naphthalene Isopropylbenzene (see Cumene n-Propylbenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Xylenes
Confirmed COC: Not reported
Potential Description: OTH, SOIL, SV, OTH, SOIL, SV
Alias Name: 7336004010
Alias Type: APN
Alias Name: 110033620776
Alias Type: EPA (FRS #)
Alias Name: 401326
Alias Type: Project Code (Site Code)
Alias Name: 60000514
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: 09/30/2009
Comments: Cost Estimate letter sent to proponent via U.S. Mail and email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/12/2011
Comments: Letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/16/2008
Comments: Annual Cost Estimate letter sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/14/2009
Comments: Cost Recovery Demand Letter send certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 05/19/2011
Comments: Lien filed with the County of Los Angeles on May 19, 2011. Due to failure to submit payment plan or making payments towards amount owed. Once payments are made in full, the lien will be rescinded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Completed Date: 12/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/18/2010
Comments: 2011 Cost Estimate and Schedule sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/16/2007
Comments: Letter for 2008 Annual Cost Estimate sent to Project Proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/18/2015
Comments: Triage meeting completed with OLC and Cleanup Program. Determined that VCA Termination letter will be sent to RP and NFCRA processed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/12/2007
Comments: Workplan accepted based on discussion of Response to Comments at 6/20 meeting. Workplan was carried out late June 2007. Final letter sent 7-12-2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/04/2009
Comments: PEA Report (Landfill Assessment Report - LAR) approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 05/08/2020
Comments: Voluntary Agreement Termination letter sent to Proponent. VCA set to terminate June 6, 2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 04/22/2020
Comments: Triage Meeting held between Program and OLC to discuss next steps for project

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/19/2010
Comments: Second Cost Recovery Demand Letter sent by Certified mail.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/20/2010
Comments: Third Cost Recovery Letter was sent to the RP via certified mail. RP was given until August 30, 2010 to respond.

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

SWF/LF (SWIS):

Name: GS BROTHERS, INC.
Address: 20331 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility ID: 19-AA-1066
SWIS Number: 19-AA-1066
Point of Contact: Nai Teurn
Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Active
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health
Regulation Status: Notification

Activity:

SWIS Number: 19-AA-1066
Site Name: GS Brothers, Inc.
Activity: Green Material Composting Operation
Activity Is Archived: No
Category: Composting
Activity Classification: Solid Waste Operation
WDR Number: Not reported
WDR Landfill Class: Not reported
Cease Operation: Not reported
Cease Operation Type: Not reported
Inspection Frequency: Quarterly
Throughput: 100
Throughput Units: Tons per day
Remaining Capacity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Remaining Capacity Date: Not reported
Capacity: 220000
Capacity Units: Tons per year
Total Acreage: 1.8
Disposal Acreage: Not reported
Permitted Elevation: Not reported
Permitted Elevation Type: Not reported
Permitted Depth: Not reported
Permitted Depth Type: Not reported
Point of Contact: Nai Teurn
Site Operational Status: Active
Site Regulatory Status: Notification
Site Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
County: Los Angeles
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Street Address: 20331 South Main Street
City: Carson
State: CA
ZIP Code: 90745
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Operator:

SWIS Number: 19-AA-1066
Site Name: GS Brothers, Inc.
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Notification
Latitude: 33.84733
Longitude: -118.281
Is Archived: No
Operator: GS Brothers, Inc.
Started On: 12/3/2004
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (310) 833-1369
Street Address: Robert Gaudenti, President 2215 North Gaffey Street
Operator City: San Padero
Operator State: CA
Operator Zip: 90731

Owner:

SWIS Number: 19-AA-1066
Owner: GS Brothers, Inc.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Owner Address: Robert Gaudenti, President 2215 North Gaffey Street
Owner City: San Padero
Owner State: CA
Owner Zip: 90731
Site Name: GS Brothers, Inc.
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Notification
Latitude: 33.84733
Longitude: -118.281
Is Archived: No
Started On: 12/3/2004
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (310) 833-1369

Waste:

SWIS Number: 19-AA-1066
Site Name: GS Brothers, Inc.
Activity: Green Material Composting Operation
Waste Type: Green Materials
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Notification
Site Type: Non-Disposal Only
Point of Contact: Nai Teurn
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Notification
Activity Category: Composting
Activity Classification: Solid Waste Operation

Name: CARSON SIX DRIVE IN
Address: 20331 SO MAIN STREET
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility ID: 19-AA-5009
SWIS Number: 19-AA-5009
Point of Contact: Dawn Liang
Is Archived: Yes
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Closed
Absorbed By: Not reported
Closed Illegal Abandoned Category: B1
EPA Federal Registry ID: Not reported
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Regulation Status: TBD (Pending Investigation)

LOS ANGELES CO. LF:

Name: GS BROTHERS, INC.
Address: 20331 S. MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 2766
Alt. Address: N/A
Site Contact: Not reported
Site Contact Phone: (310) 906-7298
Site Email: Not reported
Site Website: <http://www.gsbrothers.com/>
Site Type: Composting Facility
Site SWIS Number: 19-AA-1066
Beginning Operation Date: N/A
Ending Operation Date: N/A
Local Enforcement Agency: County of Los Angeles Department of Public Health
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: 100
Present Use: Composting Operation (Green Waste)
Remaining Capacity(Million): N/A
Status: Active
Waste Accepted: Green Materials;
Hours of Operation: Monday - Friday 7am-4pm
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: Unknown
Owner Address: Not reported
Owner City/State/Zip: Not reported
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

VCP:

Name: GS NURSERY
Address: 20331 MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 60000514
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5.42
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Eileen Mananian
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Site Code: 401326

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Inactive - Needs Evaluation
Status Date: 10/02/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.84670 / -118.2820
APN: 7336004010
Past Use: LANDFILL - CONSTRUCTION
Potential COC: 30003, 30006, 30007, 30008, 30015, 30024, 30088, 30106, 30127, 30187, 30272, 30484, 30498, 30499, 30577, 30578, 30593

Confirmed COC: ,
Potential Description: OTH, SOIL, SV, OTH, SOIL, SV
Alias Name: 7336004010
Alias Type: APN
Alias Name: 110033620776
Alias Type: EPA (FRS #)
Alias Name: 401326
Alias Type: Project Code (Site Code)
Alias Name: 60000514
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: 09/30/2009
Comments: Cost Estimate letter sent to proponent via U.S. Mail and email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/12/2011
Comments: Letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/16/2008
Comments: Annual Cost Estimate letter sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 12/14/2009
Comments: Cost Recovery Demand Letter send certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 05/19/2011
Comments: Lien filed with the County of Los Angeles on May 19, 2011. Due to failure to submit payment plan or making payments towards amount owed. Once payments are made in full, the lien will be rescinded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/18/2010
Comments: 2011 Cost Estimate and Schedule sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/16/2007
Comments: Letter for 2008 Annual Cost Estimate sent to Project Proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/18/2015
Comments: Triage meeting completed with OLC and Cleanup Program. Determined that VCA Termination letter will be sent to RP and NFCRA processed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/12/2007
Comments: Workplan accepted based on discussion of Response to Comments at 6/20 meeting. Workplan was carried out late June 2007. Final letter sent 7-12-2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/04/2009
Comments: PEA Report (Landfill Assessment Report - LAR) approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 05/08/2020
Comments: Voluntary Agreement Termination letter sent to Proponent. VCA set to terminate June 6, 2020.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 04/22/2020
Comments: Triage Meeting held between Program and OLC to discuss next steps for project

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/19/2010
Comments: Second Cost Recovery Demand Letter sent by Certified mail.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GS NURSERY (Continued)

S109426926

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/20/2010
Comments: Third Cost Recovery Letter was sent to the RP via certified mail. RP was given until August 30, 2010 to respond.

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

LIENS:

Name: GS NURSERY
City,State,Zip: CARSON, CA 90745
Envirostor Id: 60000514
Latitude: 33.846700
Longitude: -118.28207
Project Mgr: EILEEN MANANIAN
Project Code: 401326
If Satisfied: NO
Date Satisfied: Not reported
Site Status: INACTIVE - NEEDS EVALUATION
Site Type: VOLUNTARY CLEANUP
Completed: 05/19/2011
Lien Amount: \$17,270.70
Amount Remaining: Not reported
APNS: 7336004010
Description: The Site has been occupied by GS Nursery, a wholesale nursery supplier, since 1981. The Site had been undeveloped from the time that Pioneer purchased the property in 1973 through 1981 when GS Nursery began operations. Prior to 1973, the Site had been owned by several parties, including Four Corners Pipeline and Petroleum Lakes Glazer Company.

CERS:

Name: GS BROTHERS, INC.
Address: 20331 SOUTH MAIN STREET
City,State,Zip: CARSON, CA
Site ID: 509054
CERS ID: 19-AA-1066
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Operator
Entity Name: GS Brothers, Inc.
Entity Title: Not reported
Affiliation Address: Robert Gaudenti, President2215 North Gaffey Street
Affiliation City: San Padero
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90731

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GS NURSERY (Continued)

S109426926

Affiliation Phone: 3108331369

Affiliation Type Desc: Legal Owner

Entity Name: GS Brothers, Inc.

Entity Title: Not reported

Affiliation Address: Robert Gaudenti, President2215 North Gaffey Street

Affiliation City: San Padero

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: 90731

Affiliation Phone: 3108331369

K41
North
1/8-1/4
0.149 mi.
788 ft.

20331 MAIN ST.
20331 MAIN ST.
CARSON, CA 90745

US BROWNFIELDS **1023618658**
FINDS **N/A**

Site 2 of 2 in cluster K

Relative:
Lower
Actual:
24 ft.

US BROWNFIELDS:

Name: 20331 MAIN ST.

Address: 20331 MAIN ST.

City,State,Zip: CARSON, CA -

Recipient Name: Carson, City of

Grant Type: Assessment

Property Number: -

Parcel size: -

Latitude: 33.847015

Longitude: -118.280295

HCM Label: Address Matching-House Number

Map Scale: 100000

Point of Reference: Entrance Point of a Facility or Station

Highlights: -

Datum: North American Datum of 1983

Acres Property ID: 15050

IC Data Access: -

Start Date: -

Redev Completion Date: -

Completed Date: -

Acres Cleaned Up: -

Cleanup Funding: -

Cleanup Funding Source: -

Assessment Funding: -

Assessment Funding Source: -

Redevelopment Funding: -

Redev. Funding Source: -

Redev. Funding Entity Name: -

Redevelopment Start Date: -

Assessment Funding Entity: -

Cleanup Funding Entity: -

Grant Type: -

Accomplishment Type: -

Accomplishment Count: -

Cooperative Agreement Number: 98944601

Start Date: -

Ownership Entity: -

Completion Date: -

Current Owner: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20331 MAIN ST. (Continued)

1023618658

| | |
|-----------------------------------|--------------|
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |
| IC Category Proprietary Controls: | - |
| IC Cat. Info. Devices: | - |
| IC Cat. Gov. Controls: | - |
| IC Cat. Enforcement Permit Tools: | - |
| IC in place date: | - |
| IC in place: | U |
| State/tribal program date: | - |
| State/tribal program ID: | - |
| State/tribal NFA date: | - |
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controlled substance found: | - |
| Controlled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | Not reported |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |
| Other contaminants found: | - |
| Other contams found description: | - |
| PAHs found: | - |
| PAHs cleaned up: | - |
| PCBs found: | - |
| PCBs cleaned up: | - |
| Petro products found: | - |
| Petro products cleaned: | - |
| Sediments found: | - |
| Sediments cleaned: | - |
| Soil affected: | - |
| Soil cleaned up: | - |
| Surface water cleaned: | - |
| VOCs found: | - |
| VOCs cleaned: | - |
| Cleanup other description: | - |
| Num. of cleanup and re-dev. jobs: | - |
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20331 MAIN ST. (Continued)

1023618658

| | |
|-------------------------------------|--------------|
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |
| Unknown contaminant found: | - |
| Future Use: Multistory | - |
| Media affected Bluiding Material: | - |
| Media affected indoor air: | - |
| Building material media cleaned up: | - |
| Indoor air media cleaned up: | - |
| Unknown media cleaned up: | - |
| Past Use: Multistory | Not reported |
| Property Description: | - |
| Below Poverty Number: | 53 |
| Below Poverty Percent: | 5.12 |
| Meidan Income: | 2776 |
| Meidan Income Number: | 320 |
| Meidan Income Percent: | 30.92 |
| Vacant Housing Number: | 18 |
| Vacant Housing Percent: | 5.85 |
| Unemployed Number: | 89 |
| Unemployed Percent: | 8.6 |

FINDS:

Registry ID: 110060749506

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is a 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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L42
WSW
1/8-1/4
0.152 mi.
800 ft.

EXXON SERV STATION 3552
701 W TORRANCE BLVD
TORRANCE, CA 90502

SWEEPS UST **S101630241**
CA FID UST **N/A**

Site 1 of 6 in cluster L

Relative:
Higher
Actual:
34 ft.

SWEEPS UST:
Name: EXXON SERVICE STATION
Address: 701 W TORRANCE
City: TORRANCE
Status: Active
Comp Number: 3024
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-13-91
Action Date: 05-13-91
Created Date: 05-13-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003024-000001
Tank Status: A
Capacity: 6000
Active Date: 05-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: EXXON SERVICE STATION
Address: 701 W TORRANCE
City: TORRANCE
Status: Active
Comp Number: 3024
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-13-91
Action Date: 05-13-91
Created Date: 05-13-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003024-000002
Tank Status: A
Capacity: 8000
Active Date: 05-13-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: EXXON SERVICE STATION
Address: 701 W TORRANCE
City: TORRANCE
Status: Active
Comp Number: 3024
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-13-91
Action Date: 05-13-91
Created Date: 05-13-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003024-000003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON SERV STATION 3552 (Continued)

S101630241

Tank Status: A
Capacity: 10000
Active Date: 05-13-91
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: EXXON SERVICE STATION
Address: 701 W TORRANCE
City: TORRANCE
Status: Active
Comp Number: 3024
Number: 1
Board Of Equalization: Not reported
Referral Date: 05-13-91
Action Date: 05-13-91
Created Date: 05-13-91
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003024-000004
Tank Status: A
Capacity: 550
Active Date: 05-13-91
Tank Use: OIL
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19003602
Regulated By: UTNKA
Regulated ID: 00029488
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 701 W TORRANCE BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: CENTINELA VALLEY
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 19003602
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2133273736
Mail To: Not reported
Mailing Address: 701 W TORRANCE
Mailing Address 2: Not reported
Mailing City,St,Zip: TORRANCE 90502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON SERV STATION 3552 (Continued)

S101630241

Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**L43
WSW
1/8-1/4
0.152 mi.
800 ft.**

**ALPINE SHELL
701 TORRANCE BLVD # A
TORRANCE, CA 90502
Site 2 of 6 in cluster L**

**LUST U001595787
CERS HAZ WASTE N/A
HIST UST
CERS TANKS
Cortese
CERS**

**Relative:
Higher
Actual:
34 ft.**

LUST:

Name: ALPINE VILLAGE TEXACO
Address: 701 TORRANCE BLVD.
City,State,Zip: TORRANCE, CA 90502
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603778569
Global Id: T0603778569
Latitude: 33.842435
Longitude: -118.28712
Status: Open - Eligible for Closure
Status Date: 02/10/2020
Case Worker: DD
RB Case Number: R-24881A
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: 002872-044785
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline, Diesel
Site History: Not reported

LUST:

Global Id: T0603778569
Contact Type: Regional Board Caseworker
Contact Name: DALE DAILEY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W 4th Street
City: LOS ANGELES
Email: dale.dailey@waterboards.ca.gov
Phone Number: 2135766782

Global Id: T0603778569
Contact Type: Local Agency Caseworker
Contact Name: MANUEL R REGALADO
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: mregalad@dpw.lacounty.gov
Phone Number: Not reported

LUST:

Global Id: T0603778569
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Date: 11/09/2012
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 07/06/2017
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 10/23/2008
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603778569
Action Type: Other
Date: 09/01/2006
Action: Leak Reported

Global Id: T0603778569
Action Type: RESPONSE
Date: 04/16/2007
Action: Other Report / Document

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/31/2013
Action: Soil Vapor Intrusion Investigation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/31/2013
Action: Site Assessment Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2013
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 05/01/2009
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 03/26/2009
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

| | |
|--------------|--|
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 04/29/2014 |
| Action: | Waste Discharge Requirements |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 08/20/2014 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 09/19/2017 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 07/15/2013 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 10/22/2009 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 01/27/2010 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 07/06/2020 |
| Action: | Health and Safety Code Section 25296.10(c) |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 01/15/2010 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 11/18/2010 |
| Action: | Pilot Study/ Treatability Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 01/15/2014 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 11/17/2014 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Date: 01/06/2020
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603778569
Action Type: RESPONSE
Date: 12/15/2008
Action: Soil and Water Investigation Workplan

Global Id: T0603778569
Action Type: RESPONSE
Date: 08/12/2009
Action: Soil and Water Investigation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603778569
Action Type: RESPONSE
Date: 11/23/2009
Action: Soil and Water Investigation Workplan

Global Id: T0603778569
Action Type: RESPONSE
Date: 08/12/2009
Action: Soil and Water Investigation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 04/20/2010
Action: Interim Remedial Action Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 04/20/2010
Action: Soil and Water Investigation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/10/2010
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/24/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 03/30/2011
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

| | |
|--------------|--|
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 05/09/2011 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 04/17/2014 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 05/04/2020 |
| Action: | Notification - Preclosure |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 09/05/2017 |
| Action: | Clean Up Fund - Case Closure Review Summary Report (RSR) |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 12/23/2009 |
| Action: | Interim Remedial Action Plan |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 11/23/2009 |
| Action: | Correspondence |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 07/31/2014 |
| Action: | Soil Vapor Intrusion Investigation Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 07/31/2014 |
| Action: | Remedial Progress Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 01/24/2015 |
| Action: | Remedial Progress Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 07/31/2014 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 08/22/2016 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Date: 12/11/2015
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 03/24/2017
Action: Staff Letter

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2016
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 06/10/2016
Action: Well Installation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 06/10/2016
Action: Site Assessment Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 08/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2019
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 10/15/2017
Action: Well Installation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 04/15/2019
Action: Remedial Progress Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

| | |
|--------------|---|
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 12/18/2019 |
| Action: | Remedial Progress Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 07/15/2019 |
| Action: | Remedial Progress Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 10/15/2017 |
| Action: | Remedial Progress Report |
| Global Id: | T0603778569 |
| Action Type: | ENFORCEMENT |
| Date: | 02/14/2007 |
| Action: | Staff Letter |
| Global Id: | T0603778569 |
| Action Type: | Other |
| Date: | 06/05/2006 |
| Action: | Leak Discovery |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 01/15/2011 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 08/15/2017 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 10/24/2016 |
| Action: | CAP/RAP - Final Remediation / Design Plan |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 05/16/2018 |
| Action: | Site Assessment Report |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 01/15/2019 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |
| Date: | 10/15/2019 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603778569 |
| Action Type: | RESPONSE |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Date: 12/15/2017
Action: Well Installation Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 02/14/2018
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 02/14/2018
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 02/14/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2018
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 09/07/2020
Action: Well Destruction Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/26/2016
Action: Pilot Study/ Treatability Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2015
Action: Other Workplan - Regulator Responded

Global Id: T0603778569
Action Type: RESPONSE
Date: 11/15/2014
Action: Other Workplan - Regulator Responded

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2015
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded

Global Id: T0603778569
Action Type: RESPONSE
Date: 11/17/2015
Action: Interim Remedial Action Plan - Regulator Responded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Global Id: T0603778569
Action Type: RESPONSE
Date: 09/30/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 03/29/2012
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 09/27/2012
Action: Waste Discharge Requirements

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 03/24/2017
Action: Staff Letter

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2011
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2020
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0603778569
Action Type: RESPONSE
Date: 12/29/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603778569
Action Type: RESPONSE
Date: 12/20/2019
Action: Request for Closure - Regulator Responded

Global Id: T0603778569
Action Type: REMEDIATION
Date: 06/22/2006
Action: Excavation

Global Id: T0603778569
Action Type: REMEDIATION
Date: 12/28/2011
Action: Other (Use Description Field)

Global Id: T0603778569
Action Type: REMEDIATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Date: 06/17/2013
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603778569
Action Type: REMEDIATION
Date: 12/28/2011
Action: Other (Use Description Field)

Global Id: T0603778569
Action Type: REMEDIATION
Date: 06/02/2016
Action: Soil Vapor Extraction (SVE)

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 03/09/2016
Action: Staff Letter

Global Id: T0603778569
Action Type: ENFORCEMENT
Date: 02/15/2018
Action: Staff Letter

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2012
Action: Remedial Progress Report

Global Id: T0603778569
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603778569
Action Type: RESPONSE
Date: 05/30/2012
Action: Other Workplan

Global Id: T0603778569
Action Type: RESPONSE
Date: 07/31/2012
Action: Remedial Progress Report

LUST:

Global Id: T0603778569
Status: Open - Case Begin Date
Status Date: 06/05/2006

Global Id: T0603778569
Status: Open - Site Assessment
Status Date: 01/03/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Global Id: T0603778569
Status: Open - Site Assessment
Status Date: 03/26/2009

Global Id: T0603778569
Status: Open - Assessment & Interim Remedial Action
Status Date: 10/22/2009

Global Id: T0603778569
Status: Open - Remediation
Status Date: 03/30/2011

Global Id: T0603778569
Status: Open - Verification Monitoring
Status Date: 02/05/2020

Global Id: T0603778569
Status: Open - Eligible for Closure
Status Date: 02/10/2020

CERS HAZ WASTE:

Name: PROPEL FUELS, INC. (207013)
Address: 701 TORRANCE BLVD STE B
City,State,Zip: TORRANCE, CA 90502
Site ID: 59041
CERS ID: 10406611
CERS Description: Hazardous Waste Generator

Name: ALPINE SHELL
Address: 701 TORRANCE BLVD # A
City,State,Zip: TORRANCE, CA 90502
Site ID: 384693
CERS ID: 10273372
CERS Description: Hazardous Waste Generator

HIST UST:

Name: EXXON SERVICE STATION
Address: 701 TORRANCE BLVD
City,State,Zip: TORRANCE, CA 90502
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000029488
Facility Type: Gas Station
Other Type: Not reported
Contact Name: WON TAE LEE
Telephone: 2133273736
Owner Name: EXXON COMPANY U.S.A.
Owner Address: 16945 NORTH CHASE BLVD.
Owner City,St,Zip: HOUSTON, TX 77210
Total Tanks: 0004

Tank Num: 001
Container Num: #1
Year Installed: 1968

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1968
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1968
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1968
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CERS TANKS:

Name: ALPINE SHELL
Address: 701 TORRANCE BLVD # A
City,State,Zip: TORRANCE, CA 90502
Site ID: 384693
CERS ID: 10273372
CERS Description: Underground Storage Tank

Name: PROPEL FUELS, INC. (207013)
Address: 701 TORRANCE BLVD STE B
City,State,Zip: TORRANCE, CA 90502
Site ID: 59041
CERS ID: 10406611
CERS Description: Underground Storage Tank

CORTESE:

Name: ALPINE VILLAGE TEXACO
Address: 701 TORRANCE BLVD.
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603778569
Site/Facility Type: LUST CLEANUP SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Cleanup Status: OPEN - ELIGIBLE FOR CLOSURE
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: PROPEL FUELS, INC. (207013)
Address: 701 TORRANCE BLVD STE B
City,State,Zip: TORRANCE, CA 90502
Site ID: 59041
CERS ID: 10406611
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-08-2017
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 08/30/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2016
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.

Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.

Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 05-30-2014
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to review, revise, and recertify the business plan at least once every three years.

Violation Notes: Returned to compliance on 07/09/2014. OBSERVATION: The business failed to review, revise, and recertify the Hazardous Materials Business Plan at least once every three years. CORRECTIVE ACTION: Submit a current copy of the Hazardous Materials Business Plan to the CUPA after it has been reviewed, revised, and recertified.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2016
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2015
Citation: 23 CCR 16 2631(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(j)
Violation Description: Failure to submit and maintain documentation regarding positive statement of compatibility for UST system components.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-08-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 08/30/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Returned to compliance on 01/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-13-2014
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-08-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 08/30/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-13-2014
Citation: HSC 6.7 25290.2(i) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(i)
Violation Description: Failure to perform enhanced leak detection testing before the tank is

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

placed in use.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description: Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes: Returned to compliance on 01/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Date: 08-12-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Notes: for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly.
Violation Division: Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Program: Returned to compliance on 09/09/2019.
Violation Source: Los Angeles County Department of Public Works
UST
CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-13-2014
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 01/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-12-2016
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2635(c)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(c)(8)
Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-13-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 08/08/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 59041
Site Name: Propel Fuels, Inc. (207013)
Violation Date: 08-06-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 09/09/2019.
Violation Division: Los Angeles County Department of Public Works

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-09-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PERMIT ONSITE, REPAIR MADE, VR PANEL SHOWS NEGATIVE PRESSURE FOR S4 SENSOR (OPERATIONAL), AND VR PANEL NOW IN NORMAL MODE.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Michelle Levin, Project Manager (via email) Rashid Aye, Gas Station Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Michelle Levin, Project Manager (via email) Rashid Aye, Gas Station Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Moug Aye, Manager

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Mounq Aye, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: E85 AND HPR DIESEL VPH TANKS, NOV PIPING, 323/304 SUMP/VENT/UDCS 303 ANNULAR SNSR, PLLD-LLD. NOVC ISSUED.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC-CERS ERRORS(OSDO/MONIT PLN);TLS350+ PANEL;303 ANN;323/304 SMPS/UDC;DW SMITH PIPES W/ 100/001 VAC SNSR;PLLD LLD;HLA OVERFILL
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SINGLE DISP DEDICATED FOR E85 & HPR DSL TNK;TLS350 PANEL;303 ANN;304 & 323 ALL SMPS/UDC;PLLD LLD;100 VACUUM SNSR;HLA OVERFILL;DW NOV PIPE
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HIGH PERFORMANCE RENEWAL DIESEL IN B5 TANK. NOTICE TO SUBMIT APP FOR CHANGE. UPDATE BOE#, FRCT, MON SITE PLAN, SUBMIT CTLS ON 8/13/14.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2014
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Eval Notes: FRCT ON SITE NOT ON FILE;VPH SITE;TLS350 PANEL;304 HYDROSTATIC,303 ANN;323 LEAK SNSRS;PLLD LLDS;HLA OVERFILL;AO SMITH DW PIPES
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SUMPS DRY , SENSORS AT LOW POINT. CERS ACCEPTED. OSDO REPORTS, TRAINIG AND TESTING CURRENT.

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-19-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: INVR TO CHECK FOR REPORTED 2NDR PROD LINE FAILURE,S4 SENSOR IN ALARM AT TIME OF ARRIVAL,NO REP ONSITE,SHELL MGR BAGGED BOTH BIODSL DISPR

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Propel Fuels, Inc.
Entity Title: Not reported
Affiliation Address: 1815 19th Street
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95811
Affiliation Phone: (800) 871-0773

Affiliation Type Desc: UST Tank Owner
Entity Name: Propel Fuels, Inc.
Entity Title: Not reported
Affiliation Address: 1815 19th Street
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95811
Affiliation Phone: (800) 871-0773

Affiliation Type Desc: Environmental Contact
Entity Name: Michelle Levin
Entity Title: Not reported
Affiliation Address: 2496 Technology Drive
Affiliation City: Elgin
Affiliation State: IL
Affiliation Country: Not reported
Affiliation Zip: 60124-7925
Affiliation Phone: Not reported

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1815 19th Street
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95811
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Michelle Levin
Entity Title: Project Manager, Authorized Agent for Propel Fuels
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Propel Fuels, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 871-0773

Affiliation Type Desc: UST Tank Operator
Entity Name: Propel Fuels, Inc.
Entity Title: Not reported
Affiliation Address: 1815 19th Street
Affiliation City: Sacramento
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95811
Affiliation Phone: (800) 871-0773

Affiliation Type Desc: Parent Corporation
Entity Name: Propel Fuels, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: Jennifer Betz
Entity Title: Project Manager, Authorized Agent for Propel Fuels
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Affiliation Zip: Not reported
Affiliation Phone: (847) 888-0276

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Michelle Levin
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: Narm Baba Corp.
Entity Title: Not reported
Affiliation Address: 701 West Torrance Boulevard
Affiliation City: Torrance
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90502
Affiliation Phone: (310) 999-1567

Name: ALPINE VILLAGE TEXACO
Address: 701 TORRANCE BLVD.
City,State,Zip: TORRANCE, CA 90502
Site ID: 212783
CERS ID: T0603778569
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: MANUEL R REGALADO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHANDRA TYLER - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: 7-ELEVEN # 39449
Address: 701 TORRANCE BLVD
City,State,Zip: TORRANCE, CA 90502
Site ID: 843
CERS ID: 10464730
CERS Description: Chemical Storage Facilities

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Richard Mills
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Richard Mills
Entity Title: Manager, Development, Administration
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: 7-ELEVEN CONVENIENCE STORES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: ALPINE SHELL
Address: 701 TORRANCE BLVD # A
City,State,Zip: TORRANCE, CA 90502
Site ID: 384693

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

CERS ID: 10273372
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-11-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/14/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes: Returned to compliance on 10/13/2016.

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-11-2016
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)

Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.

Violation Notes: Returned to compliance on 07/14/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)

Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.

Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)

Violation Description: Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693

Map ID
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ALPINE SHELL (Continued)

U001595787

Site Name: ALPINE SHELL
Violation Date: 06-16-2020
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. The business has not submitted the emergency/contingency plan for 2020 in CERS. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 02-27-2013
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 05/08/2013. Submit to CERS your HMBP and include all grades of gasoline
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-16-2020
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: OBSERVATION: Bills of lading for fuel filters were not available at the time of inspection. CORRECTIVE ACTION: Obtain copies of all bills of lading for fuel filters for the past three years and submit copies

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MAP FINDINGS

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ALPINE SHELL (Continued)

U001595787

to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-10-2017
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes: Returned to compliance on 07/21/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROM TESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARM RESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the

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ALPINE SHELL (Continued)

U001595787

monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-11-2016
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 07/14/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)

Violation Description: Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-11-2016
Citation: 23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)

Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.

Violation Notes: Returned to compliance on 07/14/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST

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Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROM TESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARM RESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-19-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 07/28/2017. OBSERVATION: The generator's EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have reactivated the facility's EPA ID number. CAL000309980

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-10-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 07/21/2017.

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 10-24-2016
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 07/14/2017.

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Map ID
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Elevation

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Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2637.1(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637.1(e)
Violation Description: Failure to submit a copy of the spill containment test results on the G Spill Container Testing Report FormG to the UPA within 30 days after the test.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROM TESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARM RESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-03-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-12-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Notes: Financial Responsibility or other mechanism of financial assurance.
Returned to compliance on 04/28/2015.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: 23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description: Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.

Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit a complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.

Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-10-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Returned to compliance on 07/21/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-16-2020
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: OBSERVATION: The max daily amount and largest container reported in CERS for propane is incorrect. Observed one 499-gallon propane tank.
CORRECTIVE ACTION: Revise and electronically submit the correct chemical inventory information for propane in CERS.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-19-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 05/31/2019. OBSERVATION: Hazardous Waste Liquid - 1 x 55 gal. rusted drum located outside of rear exterior storage container was observed open (no cap). CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2637(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f)

Violation Description: Failure to submit a copy of the secondary containment test results on the G Secondary Containment Testing report FormG to the UPA within 30 days after the test.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-19-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 05/31/2019. OBSERVATION: The following Hazardous Waste containers were observed in the rear exterior storage area with incomplete or no Hazardous Waste labels: Hazardous Waste Liquid- 1 x 55 gal. (no accumulation start date) located in HW storage container Hazardous Waste Liquid - 1 x 55 gal. rusted drum- no label Waste Fuel Filters- 1 x 55 gal. drum rusted drum - no label CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-11-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Returned to compliance on 07/14/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-03-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712

Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-03-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)

Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Site Name: ALPINE SHELL
Violation Date: 07-11-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 07/14/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-19-2017
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 05/31/2019. OBSERVATION: The business failed to complete and electronically submit a site map with all required content (See CERS). CORRECTIVE ACTION: Complete and electronically submit a site map with all required content. CERS ID 10273372
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-10-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/21/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROM TESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARM RESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019

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Database(s)

EDR ID Number
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ALPINE SHELL (Continued)

U001595787

Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)

Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666

Violation Description: Failure of the leak detection equipment to be properly programmed or properly operated.

Violation Notes: Returned to compliance on 10/13/2016.

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2635(e)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(e)(8)

Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)

Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works

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Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)

Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-16-2020
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: OBSERVATION: Uniform Hazardous Waste Manifests for waste water contaminated with gasoline were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for waste water contaminated with gasoline and submit copies to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-10-2017
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 07/21/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROM TESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 06-19-2017
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
Violation Notes: Returned to compliance on 05/31/2019. OBSERVATION: The hazardous waste storage area located in the rear exterior storage container did not have adequate aisle space allowing for unobstructed movement.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that adequate aisle space has been provided.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 08-11-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 10/13/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 02-27-2013
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes: Returned to compliance on 05/08/2013.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-09-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM PROVIDE COPY OF CUPA PERM.NFA IN HMS OR REC'VD AT INSP.PROVIDE ALARMRESPONSE WO OR EXPLANATION.IMPLEMENT CERS CORRECTIONS.PERMIT SENSORS
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 07-10-2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 07/21/2017.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Site ID: 384693
Site Name: ALPINE SHELL
Violation Date: 12-03-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Uyehara, HMS II Consent by Michael Zarobi
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Uyehara, HMS II Consent by Michael Zarobi
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Rashid Aye, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Rashid Aye, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Mounq Aye, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Mounq Aye, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: VR TLS-350R CERT 071017, SB989 031416. NOTICE ISSUED TO UPDATE FRCT, OSDO, TANK INFO, MON PLAN. EXISTING NOVC FOR REJECTED 2016 CTLS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-11-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: EMPLOYEE TRAINING MISSING, CERS CORRECTIONS REQUIRED;POST AP58 DISPE NSER UPGRADE CERTIFICATION
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Documented
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 87 FILL SUMP SENSOR FAILED ON 8/11/15, SUBMIT SB989 POST CONST & 6MO AFTER DIESEL REPAIR. UPLOAD RESPONSE PLAN & MON SITE PLAN INTO CERS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC-UDC #14 SNSR FAIL,UPDATED FRCT ON SITE;OTHER DOCS ON SITE/FILE;SNSRS IN PROPER POSITION;FAILED SNSR REPLACED/CERTED DURING INSP
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-24-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: C839474 7/11/16 TANK ANNULARS MISIDENTIFIED; SPILL BUCKET TESTS NOT PERFORMED TO 1.5" BELOW THE TOP OF BUCKET

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Linada Alvarado, Assis. Mgr.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Linada Alvarado, Assis. Mgr.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: TLS350 PANEL;407 ANN;208 SMPS;FE PETRO LLD;DW AO SMITH PPNG;DW VENT/VAPOR RECOVERY;HLA OVFL;OPW SPBK;VENT BOX & DSL TRANS SMP EXIST

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CURRENT CUPA PERM N/A.CERS.CTLT/SPBK/SB989/OVFL REC'VD >30 DAYS FROMTESTING.ALARM RESPONSE WO N/A.DSL ANN + 87 STP 208 REPLACED WO PERM

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: LIQ IN DSL MAIN UDC;UDCMAINT TO BE ELEVATED & REINSTALLED;4 SAMPLES TAKEN,NO INITIAL SIGN OF CONTAMINATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: NARMS BABA CORP
Entity Title: Not reported
Affiliation Address: 2448 SEPULVEDA
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90501
Affiliation Phone: (310) 539-9888

Affiliation Type Desc: Operator
Entity Name: ALPINE SHELL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 327-3736

Affiliation Type Desc: UST Tank Operator
Entity Name: Narms Baba Inc.Dba Alpine Shell 7-11
Entity Title: Not reported
Affiliation Address: 2448 Sepulveda
Affiliation City: Torrance
Affiliation State: Ca
Affiliation Country: United States
Affiliation Zip: 90501
Affiliation Phone: (310) 291-4953

Affiliation Type Desc: UST Tank Owner
Entity Name: Narms Baba Inc.
Entity Title: Not reported
Affiliation Address: 2448 Sepulveda
Affiliation City: Torrance
Affiliation State: Ca
Affiliation Country: United States
Affiliation Zip: 90501
Affiliation Phone: (310) 291-4953

Affiliation Type Desc: Identification Signer
Entity Name: MADHU S CHANANI
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: ALPINE SHELL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE SHELL (Continued)

U001595787

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: RICH RUSTON
Entity Title: DESIGNATED OPERATOR
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 488-0270

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: UST Property Owner Name
Entity Name: Narms Baba Inc.
Entity Title: Not reported
Affiliation Address: 2448 Sepulveda
Affiliation City: Torrance
Affiliation State: Ca
Affiliation Country: United States
Affiliation Zip: 90501
Affiliation Phone: (310) 291-4953

Affiliation Type Desc: Document Preparer
Entity Name: MADHU S CHANANI
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: ANGELES R AHMADI
Entity Title: Not reported
Affiliation Address: 701 TORRANCE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALPINE SHELL (Continued)

U001595787

| | |
|------------------------|--------------------------|
| Affiliation Type Desc: | Facility Mailing Address |
| Entity Name: | Mailing Address |
| Entity Title: | Not reported |
| Affiliation Address: | 2448 SEPULVEDA BLVD |
| Affiliation City: | TORRANCE |
| Affiliation State: | CA |
| Affiliation Country: | Not reported |
| Affiliation Zip: | 90501 |
| Affiliation Phone: | Not reported |

L44
WSW
1/8-1/4
0.152 mi.
800 ft.

PROPEL FUELS (207013)
701 TORRANCE BLVD
TORRANCE, CA 90502

RCRA NonGen / NLR

1024834885
CAL000376033

Site 3 of 6 in cluster L

Relative:
Higher
Actual:
34 ft.

| | | |
|--|-----------------------|---------------------------|
| RCRA NonGen / NLR: | | |
| Date Form Received by Agency: | | 2012-07-05 00:00:00.0 |
| Handler Name: | PROPEL FUELS (207013) | |
| Handler Address: | | 701 TORRANCE BLVD |
| Handler City,State,Zip: | | TORRANCE, CA 90502 |
| EPA ID: | | CAL000376033 |
| Contact Name: | | MICHELLE LEVIN |
| Contact Address: | | 2496 TECHNOLOGY DR |
| Contact City,State,Zip: | | ELGIN, IL 60124 |
| Contact Telephone: | | 847-888-0276 |
| Contact Fax: | | 847-888-0279 |
| Contact Email: | | MLEVIN@JMMGLOBAL.COM |
| Contact Title: | | Not reported |
| EPA Region: | | 09 |
| Land Type: | | Not reported |
| Federal Waste Generator Description: | | Not a generator, verified |
| Non-Notifier: | | Not reported |
| Biennial Report Cycle: | | Not reported |
| Accessibility: | | Not reported |
| Active Site Indicator: | | Handler Activities |
| State District Owner: | | Not reported |
| State District: | | Not reported |
| Mailing Address: | | 1815 19TH STREET |
| Mailing City,State,Zip: | | SACRAMENTO, CA 95811-0124 |
| Owner Name: | | PROPEL FUELS, INC. |
| Owner Type: | | Other |
| Operator Name: | | MICHELLE LEVIN |
| Operator Type: | | Other |
| Short-Term Generator Activity: | | No |
| Importer Activity: | | No |
| Mixed Waste Generator: | | No |
| Transporter Activity: | | No |
| Transfer Facility Activity: | | No |
| Recycler Activity with Storage: | | No |
| Small Quantity On-Site Burner Exemption: | | No |
| Smelting Melting and Refining Furnace Exemption: | | No |
| Underground Injection Control: | | No |
| Off-Site Waste Receipt: | | No |
| Universal Waste Indicator: | | Yes |
| Universal Waste Destination Facility: | | Yes |
| Federal Universal Waste: | | No |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PROPEL FUELS (207013) (Continued)

1024834885

| | |
|--|-----------------------|
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRC Permit Baseline: | Not on the Baseline |
| 2018 GPRC Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRC Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2018-09-06 17:01:02.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|--------------------------------|---------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PROPEL FUELS, INC. |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1815 19TH STREET |
| Owner/Operator City,State,Zip: | SACRAMENTO, CA 95811-3129 |
| Owner/Operator Telephone: | 800-871-0773 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROPEL FUELS (207013) (Continued)

1024834885

Owner/Operator Indicator: Operator
Owner/Operator Name: MICHELLE LEVIN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2496 TECHNOLOGY DR
Owner/Operator City,State,Zip: ELGIN, IL 60124
Owner/Operator Telephone: 847-888-0276
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2012-07-05 00:00:00.0
Handler Name: PROPEL FUELS (207013)
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

L45
WSW
1/8-1/4
0.152 mi.
800 ft.

PROPEL FUELS, INC. (207013)
701 TORRANCE BLVD STE B
TORRANCE, CA 90502
Site 4 of 6 in cluster L

UST U00377721
N/A

Relative:
Higher

UST:
Name: ALPINE VILLAGE TEXACO
Address: 701 TORRANCE BLVD
City,State,Zip: TORRANCE, CA 90502
Facility ID: 24881
Permitting Agency: LOS ANGELES COUNTY
Latitude: 33.843745
Longitude: -118.285807

Actual:
34 ft.

Name: ALPINE SHELL
Address: 701 TORRANCE BLVD # A
City,State,Zip: TORRANCE, CA 90502
Facility ID: LACoFA0026472

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROPEL FUELS, INC. (207013) (Continued)

U003777721

Permitting Agency: Los Angeles County Fire Department
Latitude: 33.8424
Longitude: -118.28716

Name: PROPEL FUELS, INC. (207013)
Address: 701 TORRANCE BLVD STE B
City,State,Zip: TORRANCE, CA 90502
Facility ID: LACoFA0045565
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.8424
Longitude: -118.28716

**L46
WSW
1/8-1/4
0.152 mi.
800 ft.**

**WON TAE LEE EXXON
701 W TORRANCE
TORRANCE, CA 90502**

**HIST UST
HAZNET
HWTS**

**S113028092
N/A**

Site 5 of 6 in cluster L

**Relative:
Higher**

HIST UST:

**Actual:
34 ft.**

Name: EXXON SERVICE STATION
Address: 701 W TORRANCE
City,State,Zip: TORRANCE, CA 90502
File Number: 00026621
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026621.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:

HAZNET:

Name: WON TAE LEE EXXON
Address: 701 W TORRANCE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 905020000
Contact: Not reported
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 701 W TORRANCE

Year: 2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WON TAE LEE EXXON (Continued)

S113028092

Gepaid: CAL000018510
TSD EPA ID: IND093219012
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.116

Additional Info:

Year: 2008
Gen EPA ID: CAL000018510

Shipment Date: 20080409
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 002070954FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC
Trans 2 EPA ID: IND058484114
Trans 2 Name: HERITAGE TRANSPORT LLC
TSD EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: Not reported
Waste Quantity: Not reported
Quantity Unit: Not reported
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080409
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 002070954FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC
Trans 2 EPA ID: IND058484114
Trans 2 Name: HERITAGE TRANSPORT LLC
TSD EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WON TAE LEE EXXON (Continued)

S113028092

| | |
|-------------------------|--|
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20080409 |
| Creation Date: | Not reported |
| Receipt Date: | Not reported |
| Manifest ID: | 002070954FLE |
| Trans EPA ID: | CAR000070540 |
| Trans Name: | ADVANCED CHEMICAL TRANSPORT INC |
| Trans 2 EPA ID: | IND058484114 |
| Trans 2 Name: | HERITAGE TRANSPORT LLC |
| TSDf EPA ID: | IND093219012 |
| Trans Name: | HERITAGE ENVIRONMENTAL SERVICES LLC |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D016 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.075 |
| Waste Quantity: | 150 |
| Quantity Unit: | P |
| Additional Code 1: | D001 |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20080409 |
| Creation Date: | 10/8/2008 18:30:08 |
| Receipt Date: | 20080604 |
| Manifest ID: | 002070954FLE |
| Trans EPA ID: | CAR000070540 |
| Trans Name: | ADVANCED CHEMICAL TRANSPORT INC |
| Trans 2 EPA ID: | IND058484114 |
| Trans 2 Name: | HERITAGE TRANSPORT LLC |
| TSDf EPA ID: | IND093219012 |
| Trans Name: | HERITAGE ENVIRONMENTAL SERVICES LLC |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 331 - Off-specification, aged, or surplus organics |
| RCRA Code: | D001 |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.075 |
| Waste Quantity: | 150 |
| Quantity Unit: | P |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20080409 |
| Creation Date: | 10/8/2008 18:30:08 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WON TAE LEE EXXON (Continued)

S113028092

Receipt Date: 20080604
Manifest ID: 002070954FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC
Trans 2 EPA ID: IND058484114
Trans 2 Name: HERITAGE TRANSPORT LLC
TSDf EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080409
Creation Date: 10/8/2008 18:30:08
Receipt Date: 20080604
Manifest ID: 002070954FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC
Trans 2 EPA ID: IND058484114
Trans 2 Name: HERITAGE TRANSPORT LLC
TSDf EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D039
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: D035
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080409
Creation Date: 10/8/2008 18:30:08
Receipt Date: 20080604
Manifest ID: 002070954FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC
Trans 2 EPA ID: IND058484114
Trans 2 Name: HERITAGE TRANSPORT LLC
TSDf EPA ID: IND093219012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WON TAE LEE EXXON (Continued)

S113028092

Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.008
Waste Quantity: 16
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080409
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 002070954FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC
Trans 2 EPA ID: IND058484114
Trans 2 Name: HERITAGE TRANSPORT LLC
TSDf EPA ID: IND093219012
Trans Name: HERITAGE ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: WON TAE LEE EXXON
Address: 701 W TORRANCE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 905020000
EPA ID: CAL000018510
Inactive Date: 01/01/1990
Create Date: 11/14/1989
Last Act Date: 04/07/2010
Mailing Name: Not reported
Mailing Address: 701 W TORRANCE
Mailing Address 2: Not reported
Mailing City,State,Zip: TORRANCE, CA 905020000
Owner Name: WON TAE LEE
Owner Address: Not reported
Owner Address 2: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WON TAE LEE EXXON (Continued)

S113028092

Owner City,State,Zip: 99
 Contact Name: Not reported
 Contact Address: Not reported
 Contact Address 2: Not reported
 City,State,Zip: 99

L47
WSW
1/8-1/4
0.152 mi.
800 ft.

ALPINE TEXACO (FORMER EXXON)
701 TORRANCE BLVD W
CARSON, CA 90502

LUST **S103281781**
Cortese **N/A**
CERS

Site 6 of 6 in cluster L

Relative:
Higher
Actual:
34 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: R-24881
 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: T0603705470
 W Global ID: Not reported
 Staff: UNK
 Local Agency: 19000
 Cross Street: HAMILTON AVE.
 Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
 Date Leak Discovered: 8/6/1997
 Date Leak First Reported: 12/18/1997
 Date Leak Record Entered: 5/26/1992
 Date Confirmation Began: Not reported
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: 2/4/1998
 Date the Case was Closed: 2/4/1998
 How Leak Discovered: OM
 How Leak Stopped: Not reported
 Cause of Leak: UNK
 Leak Source: Piping
 Operator: MAHDAVI, MEHDI
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 6896.8737471725144991138681126
 Source of Cleanup Funding: Piping
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 4/30/1992
 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: 1/1/1965
 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE TEXACO (FORMER EXXON) (Continued)

S103281781

Organization: Not reported
Owner Contact: Not reported
Responsible Party: ALPINE VILLAGE TEXACO
RP Address: 5256 LAMPSON AVE., GARDEN GROVE, CA 92845
Program: LUST
Lat/Long: 33.8421686 / -118.2868127
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: VERIFY WITH DAVID ESFANDI LA CO DPW DATED 2/26/98, SAID THATSITE IS CLOSED IN 4/4/94 CASE #I-02969, FORMERLY EXXON USA

LUST:

Name: ALPINE TEXACO (FORMER EXXON)
Address: 701 TORRANCE BLVD W
City,State,Zip: CARSON, CA 90502
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705470
Global Id: T0603705470
Latitude: 33.8421686
Longitude: -118.2868127
Status: Completed - Case Closed
Status Date: 02/04/1998
Case Worker: JOA
RB Case Number: R-24881
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: T0603705470
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: T0603705470
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: T0603705470

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALPINE TEXACO (FORMER EXXON) (Continued)

S103281781

Action Type: Other
Date: 12/18/1997
Action: Leak Reported

Global Id: T0603705470
Action Type: Other
Date: 08/06/1997
Action: Leak Discovery

LUST:

Global Id: T0603705470
Status: Open - Case Begin Date
Status Date: 04/30/1992

Global Id: T0603705470
Status: Open - Site Assessment
Status Date: 04/30/1992

Global Id: T0603705470
Status: Completed - Case Closed
Status Date: 02/04/1998

CORTESE:

Name: ALPINE TEXACO (FORMER EXXON)
Address: 701 TORRANCE BLVD W
City,State,Zip: CARSON, CA 90502
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603705470
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: ALPINE TEXACO (FORMER EXXON)
Address: 701 TORRANCE BLVD W
City,State,Zip: CARSON, CA 90502
Site ID: 190380
CERS ID: T0603705470
CERS Description: Leaking Underground Storage Tank Cleanup Site

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALPINE TEXACO (FORMER EXXON) (Continued)

S103281781

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
 Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4TH ST., SUITE 200
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
 Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
 Entity Title: Not reported
 Affiliation Address: 900 S FREMONT AVE
 Affiliation City: ALHAMBRA
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 6264583507

M48
South
1/8-1/4
0.153 mi.
806 ft.

ENI OIL & GAS, INC.
306 WEST TORRANCE BLVD
CARSON, CA 90745

SWF/LF
HAZNET
CERS
LOS ANGELES CO LF METHANE
HWTS

S102360892
N/A

Site 1 of 2 in cluster M

Relative:
Higher
Actual:
30 ft.

SWF/LF (SWIS):
 Name: GARDENA VALLEY #5 (GOLDEN EAGLE)
 Address: 306 WEST TORRANCE BLVD
 City,State,Zip: CARSON, CA 90745
 Region: STATE
 Facility ID: 19-AQ-0011
 SWIS Number: 19-AQ-0011
 Point of Contact: Dawn Liang
 Is Archived: No
 Is Closed Illegal Abandoned: Yes
 Is Site Inert Debris Engineered Fill: No
 Is Financial Assurances Responsible: No
 Absorbed On: Not reported
 Operational Status: Closed
 Absorbed By: Not reported
 Closed Illegal Abandoned Category: C1
 EPA Federal Registry ID: Not reported
 ARB District: South Coast
 SWRCB Region: Los Angeles
 Local Government: Carson
 Reporting Agency Legal Name: County of Los Angeles
 Reporting Agency Department: Department of Public Health
 Enforcing Agency Legal Name: County of Los Angeles
 Enforcing Agency Department: Department of Public Health
 Regulation Status: Pre-regulation

Activity:

SWIS Number: 19-AQ-0011
 Site Name: Gardena Valley #5 (Golden Eagle)
 Activity: Solid Waste Disposal Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS, INC. (Continued)

S102360892

| | |
|---------------------------------------|-----------------------------|
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | 9/12/1963 |
| Cease Operation Type: | Actual |
| Inspection Frequency: | Quarterly |
| Throughput: | Not reported |
| Throughput Units: | Not reported |
| Remaining Capacity: | Not reported |
| Remaining Capacity Date: | Not reported |
| Capacity: | Not reported |
| Capacity Units: | Not reported |
| Total Acreage: | 76 |
| Disposal Acreage: | 10 |
| Permitted Elevation: | Not reported |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | Not reported |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Pre-regulation |
| Site Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | C1 |
| EPA Federal Registry ID: | Not reported |
| County: | Los Angeles |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Street Address: | 306 West Torrance Blvd |
| City: | Carson |
| State: | CA |
| ZIP Code: | 90745 |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |

Owner:

| | |
|--------------------------|----------------------------------|
| SWIS Number: | 19-AQ-0011 |
| Owner: | Lasmo Oil And Gas Inc |
| Owner Address: | 401 E Ocean Blvd |
| Owner City: | Long Beach |
| Owner State: | CA |
| Owner Zip: | 90802 |
| Site Name: | Gardena Valley #5 (Golden Eagle) |
| Site Operational Status: | Closed |
| Site Type: | Disposal Only |
| Site Regulatory Status: | Pre-regulation |
| Latitude: | 33.8421 |
| Longitude: | -118.2823 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS, INC. (Continued)

S102360892

Is Archived: No
Started On: 10/23/1996
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

Waste:

SWIS Number: 19-AQ-0011
Site Name: Gardena Valley #5 (Golden Eagle)
Activity: Solid Waste Disposal Site
Waste Type: Inert
Site Is Archived: No
Site Operational Status: Closed
Site Regulatory Status: Pre-regulation
Site Type: Disposal Only
Point of Contact: Dawn Liang
Activity Is Archived: No
Activity Operational Status: Closed
Activity Regulatory Status: Pre-regulations
Activity Category: Disposal
Activity Classification: Solid Waste Disposal Site

SWIS Number: 19-AQ-0011
Site Name: Gardena Valley #5 (Golden Eagle)
Activity: Solid Waste Disposal Site
Waste Type: Liquid Waste
Site Is Archived: No
Site Operational Status: Closed
Site Regulatory Status: Pre-regulation
Site Type: Disposal Only
Point of Contact: Dawn Liang
Activity Is Archived: No
Activity Operational Status: Closed
Activity Regulatory Status: Pre-regulations
Activity Category: Disposal
Activity Classification: Solid Waste Disposal Site

SWIS Number: 19-AQ-0011
Site Name: Gardena Valley #5 (Golden Eagle)
Activity: Solid Waste Disposal Site
Waste Type: Mixed municipal
Site Is Archived: No
Site Operational Status: Closed
Site Regulatory Status: Pre-regulation
Site Type: Disposal Only
Point of Contact: Dawn Liang
Activity Is Archived: No
Activity Operational Status: Closed
Activity Regulatory Status: Pre-regulations
Activity Category: Disposal
Activity Classification: Solid Waste Disposal Site

LOS ANGELES CO. LF:
Name:

GARDENA VALLEY #5 (GOLDEN EAGLE)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS, INC. (Continued)

S102360892

Address: 306 WEST TORRANCE BOULEVARD
City,State,Zip: CARSON, CA 90745
Site ID: 1942
Alt. Address: 100 West Torrance Boulevard, Carson, CA; 20801 - 2100 South Figueroa Street, Carson, CA
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Designated Waste Landfill
Site SWIS Number: 19-AQ-0011
Beginning Operation Date: Jan-62
Ending Operation Date: Sep-63
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 45
Permitted Capacity: Not reported
Present Use: Vacant
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Inert; Liquid
Hours of Operation: Not reported
Disposal Area (Acre): 10

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: Lasmo Oil And Gas INC.
Owner Address: 401 East Ocean Blvd
Owner City/State/Zip: Long Beach, CA 90802
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

HAZNET:

Name: ENI OIL & GAS, INC.
Address: 306 WEST TORRANCE BLVD
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
Contact: JENNIFER ROTHMAN
Telephone: 7147309052
Mailing Name: Not reported
Mailing Address: 1200 SMITH ST

Year: 2013
Gepaid: CAC002731948
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 0.02085

Additional Info:

Year: 2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS, INC. (Continued)

S102360892

Gen EPA ID: CAC002731948
Shipment Date: 20130607
Creation Date: 8/12/2013 22:15:16
Receipt Date: 20130607
Manifest ID: 010363241JJK
Trans EPA ID: CAR000148338
Trans Name: AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: D018
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Quantity Tons: 0.02085
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: GARDENA VALLEY #5 (GOLDEN EAGLE)
Address: 306 WEST TORRANCE BLVD
City,State,Zip: CARSON, CA
Site ID: 508837
CERS ID: 19-AQ-0011
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Lasmo Oil And Gas Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90802
Affiliation Phone: Not reported

LOS ANGELES CO LF METHANE:

Name: GARDENA VALLEY #5 (GOLDEN EAGLE)
Address: 306 WEST TORRANCE BOULEVARD
City,State,Zip: CARSON, CA 90745
Site Number: 1942
Status: Closed
Description: Designated Waste Landfill
Operator Name: Unknown
Operator Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS, INC. (Continued)

S102360892

HWTS:

Name: ENI OIL & GAS, INC.
Address: 306 WEST TORRANCE BLVD
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
EPA ID: CAC002730980
Inactive Date: 08/22/2013
Create Date: 05/23/2013
Last Act Date: 08/23/2013
Mailing Name: Not reported
Mailing Address: 1201 LOUISIANA ST
Mailing Address 2: SUITE 3500
Mailing City,State,Zip: HOUSTON, TX 770025617
Owner Name: ENI OIL & GAS, INC.
Owner Address: 1201 LOUISIANA ST
Owner Address 2: SUITE 3500
Owner City,State,Zip: HOUSTON, TX 770025617
Contact Name: JENNIFER ROTHMAN
Contact Address: 320 COMMERCE
Contact Address 2: SUITE 200
City,State,Zip: IRVINE, CA 92602

Name: ENI OIL & GAS, INC.
Address: 306 WEST TORRANCE BLVD
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
EPA ID: CAC002731948
Inactive Date: 08/30/2013
Create Date: 05/31/2013
Last Act Date: 08/31/2013
Mailing Name: Not reported
Mailing Address: 1200 SMITH ST
Mailing Address 2: SUITE 1700
Mailing City,State,Zip: HOUSTON, TX 77002
Owner Name: ENI OIL & GAS, INC.
Owner Address: 1200 SMITH ST
Owner Address 2: SUITE 1700
Owner City,State,Zip: HOUSTON, TX 77002
Contact Name: JENNIFER ROTHMAN
Contact Address: 320 COMMERCE
Contact Address 2: SUITE 200
City,State,Zip: IRVINE, CA 92602

M49
South
1/8-1/4
0.153 mi.
806 ft.

ENI OIL & GAS INC
306 W TORRANCE BLVD
CARSON, CA 90745

RCRA NonGen / NLR **1025868995**
CAL000394471

Site 2 of 2 in cluster M

Relative:
Higher
Actual:
30 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2014-02-27 00:00:00.0
Handler Name: ENI OIL & GAS INC
Handler Address: 306 W TORRANCE BLVD
Handler City,State,Zip: CARSON, CA 90745
EPA ID: CAL000394471
Contact Name: BEN STANPHILL
Contact Address: 320 COMMERCE STE 200

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ENI OIL & GAS INC (Continued)

1025868995

| | |
|--|---------------------------|
| Contact City,State,Zip: | IRVINE, CA 92602 |
| Contact Telephone: | 714-508-2659 |
| Contact Fax: | 714-730-9345 |
| Contact Email: | BEN.STANPHILL@ARCADIS.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 320 COMMERCE STE 200 |
| Mailing City,State,Zip: | IRVINE, CA 92602-0000 |
| Owner Name: | ENI OIL & GAS INC |
| Owner Type: | Other |
| Operator Name: | BEN STANPHILL |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS INC (Continued)

1025868995

Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2019-11-22 19:29:15.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: BEN STANPHILL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 320 COMMERCE STE 200
Owner/Operator City,State,Zip: IRVINE, CA 92602
Owner/Operator Telephone: 714-508-2659
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ENI OIL & GAS INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1200 SMITH ST STE 1700
Owner/Operator City,State,Zip: HOUSTON, TX 77002-4372
Owner/Operator Telephone: 713-393-6100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2014-02-27 00:00:00.0
Handler Name: ENI OIL & GAS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENI OIL & GAS INC (Continued)

1025868995

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56292
NAICS Description: MATERIALS RECOVERY FACILITIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

J50
NNW
1/8-1/4
0.158 mi.
835 ft.

**CITY OF CARSON - THK CO.
20350 S. FIGUEROA ST
CARSON, CA 90745**

**CPS-SLIC S102063973
CERS N/A**

Site 3 of 3 in cluster J

**Relative:
Higher
Actual:
36 ft.**

CPS-SLIC:
Name: CITY OF CARSON - THK CO.
Address: 20350 S. FIGUEROA ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 08/13/2014
Global Id: SLT43309307
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.850226
Longitude: -118.283378
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496D4
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: CITY OF CARSON - THK CO.
Address: 20350 S. FIGUEROA ST
City,State,Zip: CARSON, CA 90745
Site ID: 221513
CERS ID: SLT43309307
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF CARSON - THK CO. (Continued)

S102063973

Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2135766725

51
SE
1/8-1/4
0.163 mi.
859 ft.

GAN AUTO REPAIR
20840 S MAIN ST
CARSON, CA 90745

RCRA NonGen / NLR

1024802695
CAL000248805

Relative:
Lower
Actual:
22 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2002-03-27 00:00:00
 Handler Name: GAN AUTO REPAIR
 Handler Address: 20840 S MAIN ST
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAL000248805
 Contact Name: JOSEPH GAN
 Contact Address: 20840 S MAIN ST
 Contact City,State,Zip: CARSON, CA 90745
 Contact Telephone: 310-518-4117
 Contact Fax: 310-518-4117
 Contact Email: RASUN22@HOTMAIL.COM
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 20840 S MAIN ST
 Mailing City,State,Zip: CARSON, CA 90745-0000
 Owner Name: JOMIGAN ENTERPRISES INC
 Owner Type: Other
 Operator Name: JOSEPH GAN
 Operator Type: Other
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: Yes
 Universal Waste Destination Facility: Yes
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GAN AUTO REPAIR (Continued)

1024802695

| | |
|---|-----------------------|
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2018-09-05 15:45:53.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Handler - Owner Operator:

| | |
|--------------------------------|-------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | JOMIGAN ENTERPRISES INC |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 20840 S MAIN ST |
| Owner/Operator City,State,Zip: | CARSON, CA 90745-0000 |
| Owner/Operator Telephone: | 310-518-4117 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---------------------------|--------------|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JOSEPH GAN |
| Legal Status: | Other |
| Date Became Current: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GAN AUTO REPAIR (Continued)

1024802695

Date Ended Current: Not reported
 Owner/Operator Address: 20840 S MAIN ST
 Owner/Operator City,State,Zip: CARSON, CA 90745
 Owner/Operator Telephone: 310-518-4117
 Owner/Operator Telephone Ext: Not reported
 Owner/Operator Fax: Not reported
 Owner/Operator Email: Not reported

Historic Generators:
 Receive Date: 2002-03-27 00:00:00.0
 Handler Name: GAN AUTO REPAIR
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: Not reported
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
 NAICS Code: 811111
 NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

N52
SSW
1/8-1/4
0.169 mi.
894 ft.

FLOOR AND DECOR #201
500 CARSON TOWN CENTER N
CARSON, CA 90745

RCRA NonGen / NLR

1024872382
CAL000441029

Site 1 of 2 in cluster N

Relative:
Higher
Actual:
32 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2018-11-21 00:00:00.0
 Handler Name: FLOOR AND DECOR #201
 Handler Address: 500 CARSON TOWN CENTER N
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAL000441029
 Contact Name: LONNIE ROCHE
 Contact Address: 500 CARSON TOWN CENTER N
 Contact City,State,Zip: CARSON, CA 90745
 Contact Telephone: 424-337-5626
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FLOOR AND DECOR #201 (Continued)

1024872382

| | |
|--|--------------------------|
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 500 CARSON TOWN CENTER N |
| Mailing City, State, Zip: | CARSON, CA 90745 |
| Owner Name: | FLOOR AND DECOR |
| Owner Type: | Other |
| Operator Name: | LONNIE ROCHE |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | Yes |
| Universal Waste Destination Facility: | Yes |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRC Permit Baseline: | Not on the Baseline |
| 2018 GPRC Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRC Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSD Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLOOR AND DECOR #201 (Continued)

1024872382

Financial Assurance Required: Not reported
Handler Date of Last Change: 2018-12-20 13:53:01.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: LONNIE ROCHE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 500 CARSON TOWN CENTER N
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: 424-337-5626
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: FLOOR AND DECOR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2233 LAKE PARK DR STE 400
Owner/Operator City,State,Zip: SMYRNA, GA 30080
Owner/Operator Telephone: 770-257-1365
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2018-11-21 00:00:00.0
Handler Name: FLOOR AND DECOR #201
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 442210
NAICS Description: FLOOR COVERING STORES

Facility Has Received Notices of Violations:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FLOOR AND DECOR #201 (Continued)

1024872382

Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

N53
SSW
1/8-1/4
0.169 mi.
894 ft.

KMART 4987
500 CARSON TOWN CTR
CARSON, CA 90745

RCRA-VSQG 1001115554
FINDS CAR000014902
ECHO

Site 2 of 2 in cluster N

Relative:
Higher
Actual:
32 ft.

RCRA-VSQG:
 Date Form Received by Agency: 2016-02-18 00:00:00.0
 Handler Name: KMART 4987
 Handler Address: 500 CARSON TOWN CTR
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAR000014902
 Contact Name: CYNTHIA MILLER
 Contact Address: BEVERLY ROAD
 Contact City,State,Zip: HOFFMAN ESTATES, IL 60179
 Contact Telephone: 847-286-7994
 Contact Fax: 847-747-1609
 Contact Email: CYNTHIA.MILLER@SEARSHC.COM
 Contact Title: ENVIRONMENTAL SPECIALIST
 EPA Region: 09
 Land Type: Private
 Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: 2015
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: BEVERLY ROAD
 Mailing City,State,Zip: HOFFMAN ESTATES, IL 60179
 Owner Name: 500 CARSON TOWN CENTER LP
 Owner Type: Private
 Operator Name: KMART CORPORATION
 Operator Type: Private
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 4987 (Continued)

1001115554

| | |
|---|-----------------------|
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2016-11-04 19:42:33.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Biennial: List of Years

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

| | |
|--------------------|-----------------|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D002 |
| Waste Description: | CORROSIVE WASTE |
| Waste Code: | D005 |
| Waste Description: | BARIUM |
| Waste Code: | D006 |
| Waste Description: | CADMIUM |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

KMART 4987 (Continued)

1001115554

| | |
|--------------------|---|
| Waste Code: | D007 |
| Waste Description: | CHROMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | D009 |
| Waste Description: | MERCURY |
| Waste Code: | D010 |
| Waste Description: | SELENIUM |
| Waste Code: | D011 |
| Waste Description: | SILVER |
| Waste Code: | D016 |
| Waste Description: | 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID) |
| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D019 |
| Waste Description: | CARBON TETRACHLORIDE |
| Waste Code: | D035 |
| Waste Description: | METHYL ETHYL KETONE |
| Waste Code: | P001 |
| Waste Description: | 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% |
| Waste Code: | P075 |
| Waste Description: | NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, & SALTS |
| Waste Code: | U010 |
| Waste Description: | AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYLOXY)METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C |
| Waste Code: | U035 |
| Waste Description: | BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL |
| Waste Code: | U058 |
| Waste Description: | 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE |
| Waste Code: | U059 |
| Waste Description: | 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL]OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN |
| Waste Code: | U206 |
| Waste Description: | D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 4987 (Continued)

1001115554

GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR)
STREPTOZOTOCIN

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: 500 CARSON TOWN CENTER LP
Legal Status: Private
Date Became Current: 1997-10-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 5965 W WASHINGTON BLVD
Owner/Operator City,State,Zip: CULVER CITY, CA 90232
Owner/Operator Telephone: 310-836-1774
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: KMART CORPORATION
Legal Status: Private
Date Became Current: 1996-08-30 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: KMART INTERNATIONAL HEADQUARTERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3100 W BIG BEAVER RD
Owner/Operator City,State,Zip: TROY, MI 48084
Owner/Operator Telephone: 313-643-1000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2016-02-18 00:00:00.0
Handler Name: KMART 4987
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-12 00:00:00.0
Handler Name: KMART 4987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART 4987 (Continued)

100115554

| | |
|--|--------------------------|
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|--------------------|--------------------------------------|
| NAICS Code: | 45299 |
| NAICS Description: | ALL OTHER GENERAL MERCHANDISE STORES |

Facility Has Received Notices of Violations:

| | |
|-------------|---------------------|
| Violations: | No Violations Found |
|-------------|---------------------|

Evaluation Action Summary:

| | |
|--------------|----------------------|
| Evaluations: | No Evaluations Found |
|--------------|----------------------|

FINDS:

| | |
|--------------|--------------|
| Registry ID: | 110002913884 |
|--------------|--------------|

Click Here:

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.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|-----------------|---|
| Envid: | 100115554 |
| Registry ID: | 110002913884 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002913884 |
| Name: | KMART 4987 |
| Address: | 500 TOWN CENTER DR |
| City,State,Zip: | CARSON, CA 90745 |

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

O54
WNW
1/8-1/4
0.175 mi.
925 ft.

MATLACK, INC
20425 HAMILTON AVE
TORRANCE, CA 90502

HIST UST **U001564103**
 N/A

Site 1 of 13 in cluster O

Relative:
Higher
Actual:
30 ft.

HIST UST:

Name: MATLACK, INC
 Address: 20425 HAMILTON AVE
 City,State,Zip: TORRANCE, CA 90502
 File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000067286
 Facility Type: Other
 Other Type: TRUCKING
 Contact Name: Not reported
 Telephone: 4157980982
 Owner Name: MATLACK, INC.
 Owner Address: 1450B ENEA CIRCLE, SUITE 330
 Owner City,St,Zip: CONCORD, CA 94520
 Total Tanks: 0008

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: WASTE
 Type of Fuel: 4
 Container Construction Thickness: X
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 003
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 004
 Container Num: 4
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MATLACK, INC (Continued)

U001564103

Tank Num: 005
 Container Num: 5
 Year Installed: Not reported
 Tank Capacity: 00002500
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: Not reported

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: None

Tank Num: 007
 Container Num: 7
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Container Construction Thickness: Not reported
 Leak Detection: None

Tank Num: 008
 Container Num: 8
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: None

**O55
 WNW
 1/8-1/4
 0.175 mi.
 925 ft.**

**PENSKE TRUCK LEASING CO., LP
 20425 SOUTH HAMILTON AVENUE
 TORRANCE, CA 90502**

**RCRA NonGen / NLR
 FINDS
 ECHO**

**1000285903
 CAD982344897**

Site 2 of 13 in cluster O

**Relative:
 Higher
 Actual:
 30 ft.**

RCRA NonGen / NLR:
 Date Form Received by Agency: 2001-06-19 00:00:00.0
 Handler Name: ROLLINGS LEASING CORP
 Handler Address: 20425 SOUTH HAMILTON
 Handler City,State,Zip: TORRANCE, CA 90502
 EPA ID: CAD982344897
 Contact Name: BRIAN YAZEMBOSKI
 Contact Address: RTE 10 GREEN HILLS
 Contact City,State,Zip: READING, PA 19603
 Contact Telephone: 610-603-8450
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Other
 Federal Waste Generator Description: Not a generator, verified

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

1000285903

| | |
|--|----------------------|
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 20425 SOUTH HAMILTON |
| Mailing City,State,Zip: | TORRANCE, CA 90502 |
| Owner Name: | LACTC |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

1000285903

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2002-06-27 03:33:13.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: Not reported

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: LACTC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2001-06-19 00:00:00.0
Handler Name: ROLLINGS LEASING CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

1000285903

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110002628425

Click Here:

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.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000285903
Registry ID: 110002628425
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002628425>
Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 SOUTH HAMILTON AVENUE
City,State,Zip: TORRANCE, CA 90502

**O56
WNW
1/8-1/4
0.175 mi.
925 ft.**

**PENSKE TRUCK LEASING CO., LP
20425 S HAMILTON AVE
TORRANCE, CA 90502**

**AST A100423248
N/A**

Site 3 of 13 in cluster O

**Relative:
Higher**

AST:

**Actual:
30 ft.**

Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 S HAMILTON AVE
City/Zip: TORRANCE,90502
Certified Unified Program Agencies: Not reported
Owner: PENSKE TRUCK LEASING CO., L.P.
Total Gallons: Not reported
CERSID: 10174255
Facility ID: LACoFA0013219
Business Name: Penske Truck Leasing Co., L.P.
Phone: (310) 532-0404
Fax: 610-775-6442
Mailing Address: RTE 10 GREEN HILLS PO BOX 7635
Mailing Address City: READING
Mailing Address State: PA
Mailing Address Zip Code: Not reported
Operator Name: Penske Truck Leasing Co., LP
Operator Phone: (610) 775-6471
Owner Phone: (610) 775-6298
Owner Mail Address: ROUTE 10 GREEN HILLS, P. O. BOX 7635
Owner State: PA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

A100423248

Owner Zip Code: Not reported
Owner Country: United States
Property Owner Name: Penske Truck Leasing Co., LP
Property Owner Phone: 610-775-6298
Property Owner Mailing Address: Route 10, Green Hills, P O Box 7635
Property Owner City: Reading
Property Owner Stat : PA
Property Owner Zip Code: Not reported
Property Owner Country: United States
EPAID: CAL000183651

O57
WNW
1/8-1/4
0.175 mi.
925 ft.

PENSKE TRUCK LEASING CO., LP
20425 S HAMILTON AVE
TORRANCE, CA 90502

UST **U004265373**
N/A

Site 4 of 13 in cluster O

Relative:
Higher
Actual:
30 ft.

UST:
Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Facility ID: LACoFA0013219
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.84552
Longitude: -118.28712

O58
WNW
1/8-1/4
0.175 mi.
925 ft.

PENSKE TRUCK LEASING CO., LP
20425 S HAMILTON AVE
TORRANCE, CA 90502

CERS HAZ WASTE **S113097448**
CERS TANKS **N/A**
CERS

Site 5 of 13 in cluster O

Relative:
Higher
Actual:
30 ft.

CERS HAZ WASTE:
Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 142313
CERS ID: 10174255
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 142313
CERS ID: 10174255
CERS Description: Underground Storage Tank

Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 142313
CERS ID: 10174255
CERS Description: Aboveground Petroleum Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

CERS:

Name: PENSKE TRUCK LEASING CO., LP
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 142313
CERS ID: 10174255
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-08-2016
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-26-2020
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: CORRECT CERS FRCT/OWN STMNT/RSP PLN|OUTSTANDING NOV-NO PERM FOR LLD MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE '19 1.CORRECT AND RESUBMIT TO CERS|2.PERMIT RJ LLD|3.SHOW 2017 MAINT REC 4.PERMIT, REPLACE, RETEST FAILED DIRECT BURY SPILL BUCKET.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-06-2014
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Returned to compliance on 07/03/2014. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Observed multiple open containers of drained used oil filters. CORRECTIVE ACTION: Owner/Operator shall immediatly comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters. Verify compliance with the CUPA within 30 days.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Violation Date: 01-25-2018
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-26-2017
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16

Violation Description: Failure to provide employees with hazardous waste training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility.

Violation Notes: Returned to compliance on 06/28/2017. OBSERVATION: Personnel are not adequately trained to perform their duties in a way that ensures the facility's compliance with hazardous waste laws and regulations. Observed 2 absorbent pads with oil and oily rags in trash can in shop; pads were immediately moved to HW container. CORRECTIVE ACTION: Conduct training with applicable personnel and document it according to the requirements of 22 CCR 15 66265.16(d). Submit a copy of the documentation to the CUPA.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)

Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-06-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/29/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-08-2016
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-06-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 07/29/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-26-2020
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: CORRECT CERS FRCT/OWN STMT/RSP PLN|OUTSTANDING NOVC-NO PERM FOR LLD MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE'19 1.CORRECT AND RESUBMIT TO CERS|2.PERMIT RJ LLD|3.SHOW 2017 MAINT REC 4.PERMIT, REPLACE, RETEST FAILED DIRECT BURY SPILL BUCKET.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-06-2014
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 07/03/2014. OBSERVATION: Copies of hazardous waste disposal records for 2013/2014 were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by 7/6/2014.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-06-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 07/29/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-26-2020
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: CORRECT CERS FRCT/OWN STMNT/RSP PLN|OUTSTANDING NOV-NO PERM FOR LLD MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE '19 1.CORRECT AND RESUBMIT TO CERS|2.PERMIT RJ LLD|3.SHOW 2017 MAINT REC 4.PERMIT, REPLACE, RETEST FAILED DIRECT BURY SPILL BUCKET.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2019
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2019
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

the UST systems are in compliance.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)

Violation Description: Failure to submit a current UST Response Plan available on site.

Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-26-2017
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)

Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.

Violation Notes: Returned to compliance on 06/27/2017. OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. CORRECTIVE ACTION: Complete and document the 5 year review of SPCC Plan and submit verification of proper completion.

Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-26-2017
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)

Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.

Violation Notes: Returned to compliance on 06/28/2017. OBSERVATION: A written hazardous waste tank assessment has not been obtained for the Used Oil- 500 gal. AST tank system prior to placing system into service. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the Used Oil tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-26-2020
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes: CORRECT CERS FRCT/OWN STMNT/RSP PLN|OUTSTANDING NOVC-NO PERM FOR LLD MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE'19 1.CORRECT AND RESUBMIT TO CERS|2.PERMIT RJ LLD|3.SHOW 2017 MAINT REC 4.PERMIT, REPLACE, RETEST FAILED DIRECT BURY SPILL BUCKET.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-26-2017
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)

Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.

Violation Notes: Returned to compliance on 06/29/2017. OBSERVATION: Daily inspections of the Used Oil tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the Used Oil tank system is being properly inspected and documented.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)

Violation Description: Failure to have an approved UST Monitoring Plan.

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-26-2017
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The following container was observed open: G Waste Antifreeze- 1 x 100 gal. poly AST; open with board covering opening CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-26-2020
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)

Violation Description: Failure to implement the corrections specified in the inspection report within 30 days of receiving an inspection report from either the UPA or special inspector.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Violation Notes: CORRECT CERS FRCT/OWN STMNT/RSP PLN|OUTSTANDING NOVC-NO PERM FOR LLD MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE'19
1.CORRECT AND RESUBMIT TO CERS|2.PERMIT RJ LLD|3.SHOW 2017 MAINT REC
4.PERMIT, REPLACE, RETEST FAILED DIRECT BURY SPILL BUCKET.

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 01-25-2018

Citation: 23 CCR 16 2635(c)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(c)(8)

Violation Description: Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 01-25-2019

Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to have current UST Monitoring Plan available on site.

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 06-26-2017

Citation: HSC 6.5 25201.16(f) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.16(f)

Violation Description: Failure to comply with the applicable requirements related to accumulation and containment standards for universal waste aerosol cans.

Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: Waste Aerosol Cans were found not labeled with the type of waste stored (labeled Used Oil Filters). Containers used to store aerosol cans shall be labeled or marked with one of the following phrases: G Universal Waste G Aerosol CansG , G Waste Aerosol CansG , or G Used Aerosol CansG .
CORRECTIVE ACTION: Immediately mark these containers and ensure that all containers of aerosol cans are marked in this manner. Submit documentation to the CUPA demonstrating what corrective actions were taken.

Violation Division: Los Angeles County Fire Department

Violation Program: HW

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 06-26-2017

Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Violation Description: Section(s) 25250.22
Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The following used oil filter containers were observed open: Maintenance Garage-HM/HW Accumulation Area G Used Oil Filters- 4 x 55 gal. drum CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-06-2014
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Violation Notes: Returned to compliance on 07/03/2014. OBSERVATION: Observed open container of used antifreeze. All hazardous waste containers shall be closed at all times except when adding or removing waste. CORRECTIVE ACTION: Immediately close these containers and ensure all hazardous waste containers are closed when not adding or removing waste.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)

Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Violation Description: 16, Section(s) 2712(f)
Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 02-06-2017

Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)

Violation Description: Failure to have an approved UST Monitoring Plan.

Violation Notes: Returned to compliance on 07/29/2019.

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 01-25-2019

Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)

Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "

Violation Notes: Not reported

Violation Division: Los Angeles County Department of Public Works

Violation Program: UST

Violation Source: CERS

Site ID: 142313

Site Name: Penske Truck Leasing Co., LP

Violation Date: 06-06-2014

Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31

Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..

Violation Notes: Returned to compliance on 07/03/2014. OBSERVATION: Generator failed to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment. Observed spilled antifreeze fluid on the floor area at the hazardous waste and hazardous materials storage area. CORRECTIVE ACTION: Owner/Operator shall immediately maintain the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment. The Owner/Operator shall develop procedures to operate the facility in such a manner to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

hazardous waste or hazardous waste constituents to the air, soil, or surface [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 02-26-2020
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: CORRECT CERS FRCT/OWN STMNT/RSP PLN|OUTSTANDING NOVC-NO PERM FOR LLD MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE'19 1.CORRECT AND RESUBMIT TO CERS|2.PERMIT RJ LLD|3.SHOW 2017 MAINT REC 4.PERMIT, REPLACE, RETEST FAILED DIRECT BURY SPILL BUCKET.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 06-26-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The following was observed without hazardous waste labels: G Waste Oily Absorbent- 1 x

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

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35 gal. G labeled waste aerosol (located in maintenance shop) G Waste
Oily Absorbent- 1 x 55 gal. G no label (located at fuel island)
CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the
container listed above has been properly labeled.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter
16, Section(s) 2712(i)

Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16,
Section(s) 2712

Violation Description: Failure to comply with any of the applicable requirements of the
permit issued for the operation of the UST system.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 142313
Site Name: Penske Truck Leasing Co., LP
Violation Date: 01-25-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter
16, Section(s) 2641(h)

Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Not reported
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CORRECT CERS FRCT/OWN STMNT/RSP PLN|OUTSTANDING NOV-C-NO PERM FOR LLD
MISSING 2017 MAINT. RECORDS|FAILED DIRECT BURY SPILL BUCKET SINCE '19
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2018
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Eval Notes: EXT O/F ALARM LIGHT NOT FUNCTIONAL.DSL LLD REPLACED 3X IN LAST 4 YEA
RS NO AP58.OPEN VIOL CERS CORR AND LLD.MISSING MAINT REC'D/SB989

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 301AN,208UDC&SUMP,DBSPBK,FLAPPER.NOVC:SENSORS REMVD FROM SENSOR SETU
P,OVERFILL INSP NOT SUBMITTED,CERS CORRECTIONS

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC-CERS ERRORS;TLS350 PANEL;301 ANN;208 SMP/UDC;FX1DV LLD;DW AO
,SMITH PIPES;F/V OVERFILL;DIRECT BURY SPBK

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SUMPS DRY, SENSORS AT LOW POINT. INACCURATE CUPA TANK INFO. FAILED TO
COMPLY W/LAST NOVC TO SUBMIT AP58 LLD'S INSTALLED 4/22/14.

Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2014
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Jesse Mercado, Branch Services Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jesse Mercado, Branch Services Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jesse Mercado, Branch Services Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rivera
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rivera
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Carlos Rivera
Eval Division: Los Angeles County Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-13-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: documented.
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-13-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: documented.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: LLD NOT CERTIFIED/REPLACED WO PERMIT;FRCT EXP'D;FLUID IN SUMP/UDC;301 ANN/208 UDC+SUMP;DIRECT BURY SPBK;NOVC ISSUED
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Penske Truck Leasing Co., L.P.
Entity Title: Not reported
Affiliation Address: ROUTE 10 GREEN HILLS, P. O. BOX 7635
Affiliation City: READING
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 19603-7635
Affiliation Phone: (610) 775-6298

Affiliation Type Desc: Operator
Entity Name: Penske Truck Leasing Co., LP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (610) 775-6471

Affiliation Type Desc: UST Tank Owner
Entity Name: Penske Truck Leasing Co., LP
Entity Title: Not reported
Affiliation Address: Route 10, Green Hills,P O Box 7635
Affiliation City: Reading

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 19603-7635
Affiliation Phone: (610) 775-6298

Affiliation Type Desc: Document Preparer
Entity Name: Rita J Trupp
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Brian Yazemboski
Entity Title: Not reported
Affiliation Address: ROUTE 10 GREEN HILLS PO BOX 7635
Affiliation City: READING
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 19603-7635
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Brian Yazemboski
Entity Title: Manager Environmental Services
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Penske Truck Leasing Co., L.P.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: Penske Truck Leasing Co., LP
Entity Title: Not reported
Affiliation Address: Route 10, Green Hills, P O Box 7635
Affiliation City: Reading
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 19603-7635
Affiliation Phone: (610) 775-6298

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

S113097448

Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: RTE 10 GREEN HILLS PO BOX 7635
Affiliation City: READING
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 19603-7635
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Penske Truck Leasing Co., LP
Entity Title: Not reported
Affiliation Address: Route 10, Green Hills, P O Box 7635
Affiliation City: Reading
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 19603-7635
Affiliation Phone: (610) 775-6298

Affiliation Type Desc: UST Permit Applicant
Entity Name: Brian Yazemboski
Entity Title: Mgr Environmental Svr
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (610) 603-8450

Affiliation Type Desc: UST Tank Operator
Entity Name: Penske Truck Leasing Co., LP
Entity Title: Not reported
Affiliation Address: Route 10, Green Hills, P O Box 7635
Affiliation City: Reading
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 19603-7635
Affiliation Phone: (610) 775-6298

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

| | | | |
|---|---|--|--|
| O59 WNW 1/8-1/4 0.175 mi. 925 ft. | PENSKE TRUCK LEASING CO., LP 20425 SOUTH HAMILTON AVE TORRANCE, CA 90502 | RCRA NonGen / NLR | 1024797312 CAL000183651 |
| Relative: Site 6 of 13 in cluster O Higher RCRA NonGen / NLR: | | | |
| Actual: 30 ft. | Date Form Received by Agency: | Handler Name: | 2018-07-25 00:00:00.0 PENSKE TRUCK LEASING CO., LP |
| | Handler Address: | Handler City,State,Zip: | 20425 SOUTH HAMILTON AVE TORRANCE, CA 90502 |
| | EPA ID: | Contact Name: | CAL000183651 CHRISTOPHER HAWK |
| | Contact Address: | Contact Address: | ROUTE 10 GREEN HILLS, P O BOX 7635 READING, PA 19603 |
| | Contact City,State,Zip: | Contact Telephone: | 610-775-6123 610-775-6442 |
| | Contact Telephone: | Contact Fax: | CHRISTOPHER.HAWK@PENSKE.COM SR. ENVIRONMENTAL COMPLIANCE ENGINEER |
| | Contact Fax: | Contact Email: | 09 Private |
| | Contact Email: | Contact Title: | Not a generator, verified |
| | Contact Title: | EPA Region: | Not reported |
| | EPA Region: | Land Type: | Not reported |
| | Land Type: | Federal Waste Generator Description: | Not reported |
| | Federal Waste Generator Description: | Non-Notifier: | Not reported |
| | Non-Notifier: | Biennial Report Cycle: | Not reported |
| | Biennial Report Cycle: | Accessibility: | Not reported |
| | Accessibility: | Active Site Indicator: | Not reported |
| | Active Site Indicator: | State District Owner: | Not reported |
| | State District Owner: | State District: | Not reported |
| | State District: | Mailing Address: | ROUTE 10 GREEN HILLS, P O BOX 7635 READING, PA 19603 |
| | Mailing Address: | Mailing City,State,Zip: | PENSKE TRUCK LEASING CO., LP Private |
| | Mailing City,State,Zip: | Owner Name: | PENSKE TRUCK LEASING CO., LP Private |
| | Owner Name: | Owner Type: | Private |
| | Owner Type: | Operator Name: | PENSKE TRUCK LEASING CO., LP Private |
| | Operator Name: | Operator Type: | Private |
| | Operator Type: | Short-Term Generator Activity: | No |
| | Short-Term Generator Activity: | Importer Activity: | No |
| | Importer Activity: | Mixed Waste Generator: | No |
| | Mixed Waste Generator: | Transporter Activity: | No |
| | Transporter Activity: | Transfer Facility Activity: | No |
| | Transfer Facility Activity: | Recycler Activity with Storage: | No |
| | Recycler Activity with Storage: | Small Quantity On-Site Burner Exemption: | No |
| | Small Quantity On-Site Burner Exemption: | Smelting Melting and Refining Furnace Exemption: | No |
| | Smelting Melting and Refining Furnace Exemption: | Underground Injection Control: | No |
| | Underground Injection Control: | Off-Site Waste Receipt: | No |
| | Off-Site Waste Receipt: | Universal Waste Indicator: | No |
| | Universal Waste Indicator: | Universal Waste Destination Facility: | No |
| | Universal Waste Destination Facility: | Federal Universal Waste: | No |
| | Federal Universal Waste: | Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| | Active Site Fed-Reg Treatment Storage and Disposal Facility: | Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| | Active Site Converter Treatment storage and Disposal Facility: | Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| | Active Site State-Reg Treatment Storage and Disposal Facility: | Active Site State-Reg Handler: | --- |
| | Active Site State-Reg Handler: | Federal Facility Indicator: | Not reported |
| | Federal Facility Indicator: | Hazardous Secondary Material Indicator: | NN |
| | Hazardous Secondary Material Indicator: | Sub-Part K Indicator: | Not reported |
| | Sub-Part K Indicator: | Commercial TSD Indicator: | No |
| | Commercial TSD Indicator: | Treatment Storage and Disposal Type: | Not reported |
| | Treatment Storage and Disposal Type: | 2018 GPRA Permit Baseline: | Not on the Baseline |
| | 2018 GPRA Permit Baseline: | 2018 GPRA Renewals Baseline: | Not on the Baseline |
| | 2018 GPRA Renewals Baseline: | Permit Renewals Workload Universe: | Not reported |
| | Permit Renewals Workload Universe: | | |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

1024797312

| | |
|---|-----------------------|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2018-07-25 14:54:39.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|--------------------|---------------------|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D003 |
| Waste Description: | REACTIVE WASTE |
| Waste Code: | D005 |
| Waste Description: | BARIUM |
| Waste Code: | D006 |
| Waste Description: | CADMIUM |
| Waste Code: | D007 |
| Waste Description: | CHROMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | D018 |
| Waste Description: | BENZENE |
| Waste Code: | D039 |
| Waste Description: | TETRACHLOROETHYLENE |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

1024797312

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: PENSKE TRUCK LEASING CO., LP
Legal Status: Private
Date Became Current: 1987-03-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: ROUTE 10 GREEN HILLS, P O BOX 7635
Owner/Operator City,State,Zip: READING, PA 19603
Owner/Operator Telephone: 610-775-6298
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 610-775-6442
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PENSKE TRUCK LEASING CO., LP
Legal Status: Private
Date Became Current: 1987-03-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: ROUTE 10 GREEN HILLS, P O BOX 7635
Owner/Operator City,State,Zip: READING, PA 19603
Owner/Operator Telephone: 610-775-6298
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 610-775-6442
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PENSKE TRUCK LEASING CO., LP
Legal Status: Private
Date Became Current: 1987-03-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 20425 SOUTH HAMILTON AVE
Owner/Operator City,State,Zip: TORRANCE, CA 90502
Owner/Operator Telephone: 610-775-6298
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 610-775-6442
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PENSKE TRUCK LEASING CO., LP
Legal Status: Private
Date Became Current: 1987-03-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 20425 SOUTH HAMILTON AVE
Owner/Operator City,State,Zip: TORRANCE, CA 90502
Owner/Operator Telephone: 610-775-6298
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 610-775-6442
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2018-07-23 00:00:00.0
Handler Name: PENSKE TRUCK LEASING CO., LP
Federal Waste Generator Description: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO., LP (Continued)

1024797312

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2018-07-25 00:00:00.0
Handler Name: PENSKE TRUCK LEASING CO., LP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 532120
NAICS Description: TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL AND LEASING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

O60
WNW
1/8-1/4
0.175 mi.
925 ft.

ROLLINS LEASING CORP - BR#147B
20425 HAMILTON AVE
TORRANCE, CA 90502
Site 7 of 13 in cluster O

UST U003941385
N/A

Relative:
Higher
Actual:
30 ft.

UST:
Name: ROLLINS LEASING CORP - BR#147B
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Facility ID: 6281
Permitting Agency: LOS ANGELES COUNTY
Latitude: 33.846872
Longitude: -118.285769

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

O61
WNW
1/8-1/4
0.175 mi.
925 ft.

20425 S HAMILTON AVE
TORRANCE, CA

Site 8 of 13 in cluster O

AST **A100344715**
N/A

Relative:
Higher
Actual:
30 ft.

AST:
 Name: Not reported
 Address: 20425 S HAMILTON AVE
 City/Zip: TORRANCE,
 Certified Unified Program Agencies: Los Angeles County
 Owner: PENSKE TRUCK LEASING CO LP
 Total Gallons: 3702
 CERSID: Not reported
 Facility ID: Not reported
 Business Name: Not reported
 Phone: Not reported
 Fax: Not reported
 Mailing Address: Not reported
 Mailing Address City: Not reported
 Mailing Address State: Not reported
 Mailing Address Zip Code: Not reported
 Operator Name: Not reported
 Operator Phone: Not reported
 Owner Phone: Not reported
 Owner Mail Address: Not reported
 Owner State: Not reported
 Owner Zip Code: Not reported
 Owner Country: Not reported
 Property Owner Name: Not reported
 Property Owner Phone: Not reported
 Property Owner Mailing Address: Not reported
 Property Owner City: Not reported
 Property Owner Stat : Not reported
 Property Owner Zip Code: Not reported
 Property Owner Country: Not reported
 EPAID: Not reported

O62
WNW
1/8-1/4
0.175 mi.
925 ft.

PENSKE TRUCK LEASING
20425 S HAMILTON AVE
TORRANCE, CA 90502

Site 9 of 13 in cluster O

RCRA NonGen / NLR **1000249938**
LOS ANGELES CO. HMS **CAD000630046**

Relative:
Higher
Actual:
30 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2018-07-25 00:00:00.0
 Handler Name: PENSKE TRUCK LEASING
 Handler Address: 20425 S HAMILTON AVE
 Handler City,State,Zip: TORRANCE, CA 90502
 EPA ID: CAD000630046
 Contact Name: CHRIS HAWK
 Contact Address: RTE 10 GREEN HILLS
 Contact City,State,Zip: READING, PA 19603
 Contact Telephone: 610-775-6123
 Contact Fax: Not reported
 Contact Email: CHRISTOPHER.HAWK@PENSKE.COM
 Contact Title: ENVIRONMENTAL ENGINEER
 EPA Region: 09
 Land Type: Private
 Federal Waste Generator Description: Not a generator, verified

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PENSKE TRUCK LEASING (Continued)

1000249938

| | |
|--|-----------------------------|
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | RTE 10 GREEN HILLS |
| Mailing City,State,Zip: | READING, PA 19603 |
| Owner Name: | PENSKE TRUCK LEASING CO L P |
| Owner Type: | Private |
| Operator Name: | PENSKE TRUCK LEASING CO L P |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING (Continued)

1000249938

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2018-07-25 14:56:17.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: PENSKE TRUCK LEASING CO L P
Legal Status: Private
Date Became Current: 1987-03-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 20425 S HAMILTON AVE
Owner/Operator City,State,Zip: TORRANCE, CA 90502
Owner/Operator Telephone: 610-775-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING (Continued)

1000249938

| | |
|--------------------------------|--------------------------------|
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PENSKE TRUCK LEASING CO L P |
| Legal Status: | Private |
| Date Became Current: | 1987-03-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | RTE 10 GREEN HILLS |
| Owner/Operator City,State,Zip: | READING, PA 19603 |
| Owner/Operator Telephone: | 610-775-6298 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PENSKE TRUCK LEASING CO L P |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | RTE 10 GREEN HILLS P O BOX 563 |
| Owner/Operator City,State,Zip: | READING, PA 19603 |
| Owner/Operator Telephone: | 610-775-6000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PENSKE TRUCK LEASING CO L P |
| Legal Status: | Private |
| Date Became Current: | 1987-03-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | RTE 10 GREEN HILLS |
| Owner/Operator City,State,Zip: | READING, PA 19603 |
| Owner/Operator Telephone: | 610-775-6298 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | PENSKE TRUCK LEASING CO L P |
| Legal Status: | Private |
| Date Became Current: | 1987-03-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 20425 S HAMILTON AVE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | 610-775-6000 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING (Continued)

1000249938

Historic Generators:

Receive Date: 1996-09-01 00:00:00.0
Handler Name: PENSKE TRUCK LEASING
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-12-27 00:00:00.0
Handler Name: PENSKE TRUCK LEASING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-06-25 00:00:00.0
Handler Name: PENSKE TRUCK LEASING
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2018-07-25 00:00:00.0
Handler Name: PENSKE TRUCK LEASING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 532120
NAICS Description: TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL AND

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PENSKE TRUCK LEASING (Continued)

1000249938

LEASING

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

LOS ANGELES CO. HMS:

Name: PENSKE TRUCK LEASING
 Address: 20425 HAMILTON AVE
 City,State,Zip: TORRANCE, CA 905021513
 Region: LA
 Permit Category: T
 Facility Id: 009066-037673
 Facility Type: 0
 Facility Status: Permit
 Area: 2
 Permit Number: 000355162
 Permit Status: Permit

Name: PENSKE TRUCK LEASING CO
 Address: 20425 HAMILTON AVE
 City,State,Zip: TORRANCE, CA 905021513
 Region: LA
 Permit Category: S
 Facility Id: 009066-038819
 Facility Type: S5
 Facility Status: Permit
 Area: 2
 Permit Number: 000529866
 Permit Status: Permit

O63
WNW
1/8-1/4
0.175 mi.
925 ft.

ROLLINS LEASING CORP FACILITY
20425 HAMILTON AVE
TORRANCE, CA 90502

Site 10 of 13 in cluster O

LUST S104025616
Cortese N/A
CERS

Relative:
Higher
Actual:
30 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: R-06281
 Status: Case Closed
 Substance: 1
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Groundwater
 Abatement Method Used at the Site: Not reported
 Global ID: T0603704727
 W Global ID: Not reported
 Staff: JP
 Local Agency: 19000
 Cross Street: DEL AMO BLVD W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP FACILITY (Continued)

S104025616

Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/8/1987
Date Leak Record Entered: 3/23/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/2/1997
Date the Case was Closed: 9/18/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: OLD CASE #907450107
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7480.9823867160810255029965672
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/7/1988
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: ROLLINS LEASING CORP.
RP Address: ONE ROLLINS PLAZA, WILMINGTON, DE 19803
Program: LUST
Lat/Long: 33.8459445 / -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: ADDITIONAL INFO RESPONSE. INSUFFICIENT INFO IN FILE. AWAITING ADD'L
INFO EXTENDED SITE ADDRESS S/B 20425 NOT 20423 HAMILTON AVE

CORTESE:

Name: ROLLINS LEASING CORP FACILITY
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704727
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP FACILITY (Continued)

S104025616

Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: ROLLINS LEASING CORP FACILITY
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 189751
CERS ID: T0603704727
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOSE PEREYRA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

O64 **ROLLINS LEASING CORP**
WNW **20425 S HAMILTON AVE**
1/8-1/4 **TORRANCE, CA 90502**
0.175 mi.
925 ft. **Site 11 of 13 in cluster O**

Relative:
Higher

Actual:
30 ft.

HIST UST:
Name: MATLOCK MC
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
File Number: 00027ABB
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027ABB.pdf>

HIST UST **1000286233**
RCRA NonGen / NLR **CAD981994809**
FINDS
ECHO
HAZNET
LOS ANGELES CO. HMS
HWTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

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

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:](#)

RCRA NonGen / NLR:

| | |
|--------------------------------------|---------------------------|
| Date Form Received by Agency: | 2001-06-19 00:00:00.0 |
| Handler Name: | ROLLINS LEASING CORP |
| Handler Address: | 20425 S HAMILTON AVE |
| Handler City,State,Zip: | TORRANCE, CA 90502 |
| EPA ID: | CAD981994809 |
| Contact Name: | BRIAN YAZEMBOSKI |
| Contact Address: | RTE 10 GREEN HILLS |
| Contact City,State,Zip: | READING, PA 19603 |
| Contact Telephone: | 610-603-8450 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Other |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 20425 S HAMILTON AVE |
| Mailing City,State,Zip: | TORRANCE, CA 90502 |
| Owner Name: | MATLACK INC |
| Owner Type: | Private |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|--|-----------------------|
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2002-06-27 03:32:02.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Handler - Owner Operator:

| | |
|--------------------------------|------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MATLACK INC |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|--------------------------------|------------------------|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|--|---------------------------|
| Receive Date: | 2001-06-19 00:00:00.0 |
| Handler Name: | ROLLINS LEASING CORP |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|--------------------|--|
| NAICS Code: | 53212 |
| NAICS Description: | TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL AND LEASING |

Facility Has Received Notices of Violations:

| | |
|-------------|---------------------|
| Violations: | No Violations Found |
|-------------|---------------------|

Evaluation Action Summary:

| | |
|--------------|----------------------|
| Evaluations: | No Evaluations Found |
|--------------|----------------------|

FINDS:

| | |
|--------------|--------------|
| Registry ID: | 110009533424 |
|--------------|--------------|

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Click Here:

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: 1000286233
Registry ID: 110009533424
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009533424>
Name: BRITE SOL CLEANING DIV MATLACK INC
Address: 20425 S HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502

HAZNET:

Name: PENSKE TRUCK LEASING CORP
Address: 20425 HAMILTON AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 905021513
Contact: MICHAEL COSTANZA MGR ENV SVS
Telephone: 6107756471
Mailing Name: Not reported
Mailing Address: RTE 10 GREEN HILLS

Year: 2010
Gepaid: CAD981994809
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.063

Year: 2007
Gepaid: CAD981994809
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.441

Year: 2006
Gepaid: CAD981994809
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.231

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|------------------|--|
| Year: | 2006 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT000613893 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.105 |
| Year: | 2005 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 1.52 |
| Year: | 2005 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 222 - Oil/water separation sludge |
| Disposal Method: | R01 - Recycler |
| Tons: | 10.24569 |
| Year: | 2005 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT000613893 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.3864 |
| Year: | 2004 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT000613893 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.3192 |
| Year: | 2004 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 222 - Oil/water separation sludge |
| Disposal Method: | R01 - Recycler |
| Tons: | 6.63864 |
| Year: | 2003 |
| Gepaid: | CAD981994809 |
| TSD EPA ID: | CAT000613893 |
| CA Waste Code: | 134 - Aqueous solution with total organic residues less than 10 percent |
| Disposal Method: | H01 - Transfer Station |
| Tons: | 0.0756 |

[Click this hyperlink](#) while viewing on your computer to access 22 additional CA HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Additional Info:

| | |
|-------------------------|--|
| Year: | 2006 |
| Gen EPA ID: | CAD981994809 |
| Shipment Date: | 20061030 |
| Creation Date: | 3/30/2007 13:32:07 |
| Receipt Date: | 20061108 |
| Manifest ID: | 000952869JJK |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.105 |
| Waste Quantity: | 25 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20060516 |
| Creation Date: | 8/11/2006 18:33:33 |
| Receipt Date: | 20060524 |
| Manifest ID: | 23681476 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | CAT000613893 |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.189 |
| Waste Quantity: | 45 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20060217 |
| Creation Date: | 6/14/2006 18:34:47 |
| Receipt Date: | 20060223 |
| Manifest ID: | 24613023 |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-----------------------------------|---|
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | CAT000613893 |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.042 |
| Waste Quantity: | 10 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Additional Info: | |
| Year: | 2003 |
| Gen EPA ID: | CAD981994809 |
| Shipment Date: 20030805 | |
| Creation Date: 7/26/2004 18:30:41 | |
| Receipt Date: 20030807 | |
| Manifest ID: 22879869 | |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | CAT000613893 |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0756 |
| Waste Quantity: | 18 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Additional Info: | |
| Year: | 2005 |
| Gen EPA ID: | CAD981994809 |
| Shipment Date: 20051214 | |
| Creation Date: 3/22/2006 18:31:37 | |
| Receipt Date: 20051215 | |
| Manifest ID: 24636153 | |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDf Alt EPA ID: CAT080013352
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 3.0858
Waste Quantity: 740
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20051213
Creation Date: 3/22/2006 18:31:37
Receipt Date: 20051214
Manifest ID: 24636152
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDf Alt EPA ID: CAT080013352
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 7.15989
Waste Quantity: 1717
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20051129
Creation Date: 1/3/2007 18:30:08
Receipt Date: 20051202
Manifest ID: 23684119
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDf Alt EPA ID: CAT000613893
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.063 |
| Waste Quantity: | 15 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20050908 |
| Creation Date: | 12/16/2005 18:31:03 |
| Receipt Date: | 20050913 |
| Manifest ID: | 23687454 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.168 |
| Waste Quantity: | 40 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20050708 |
| Creation Date: | 10/11/2005 18:32:36 |
| Receipt Date: | 20050709 |
| Manifest ID: | 24359963 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO / KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 1.52 |
| Waste Quantity: | 400 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| Additional Code 5: | Not reported |
| Shipment Date: | 20050322 |
| Creation Date: | 6/1/2005 18:31:04 |
| Receipt Date: | 20050328 |
| Manifest ID: | 23667333 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | CAT000613893 |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1554 |
| Waste Quantity: | 37 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Additional Info: | |
| Year: | 2004 |
| Gen EPA ID: | CAD981994809 |
| Shipment Date: | 20041117 |
| Creation Date: | 1/20/2005 18:31:32 |
| Receipt Date: | 20041124 |
| Manifest ID: | 23725450 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | CAT000613893 |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1344 |
| Waste Quantity: | 32 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20040903 |
| Creation Date: | 1/6/2005 18:32:03 |
| Receipt Date: | 20040907 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| Manifest ID: | 23635404 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT080013352 |
| Trans Name: | DEMENNO/KERDOON |
| TSDF Alt EPA ID: | CAT080013352 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 222 - Oil/water separation sludge |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 6.63864 |
| Waste Quantity: | 1592 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20040823 |
| Creation Date: | 1/4/2005 18:33:27 |
| Receipt Date: | 20040827 |
| Manifest ID: | 23711715 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.1008 |
| Waste Quantity: | 24 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20040601 |
| Creation Date: | 10/29/2004 7:40:51 |
| Receipt Date: | 20040607 |
| Manifest ID: | 23502068 |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDF Alt EPA ID: | CAT000613893 |
| TSDF Alt Name: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.084
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2001
Gen EPA ID: CAD981994809

Shipment Date: 20011105
Creation Date: 12/17/2001 0:00:00
Receipt Date: 20011107
Manifest ID: 21376739
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0504
Waste Quantity: 12
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20011012
Creation Date: 12/17/2001 0:00:00
Receipt Date: 20011017
Manifest ID: 21394245
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0336
Waste Quantity: 8

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20010719 |
| Creation Date: | 10/1/2001 0:00:00 |
| Receipt Date: | 20010723 |
| Manifest ID: | 21098124 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | D039 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0336 |
| Waste Quantity: | 8 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20010522 |
| Creation Date: | 7/10/2001 0:00:00 |
| Receipt Date: | 20010524 |
| Manifest ID: | 20641998 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDF EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDF Alt EPA ID: | Not reported |
| TSDF Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | D039 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.0672 |
| Waste Quantity: | 16 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20010424 |
| Creation Date: | 6/20/2001 0:00:00 |

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Receipt Date: 20010426
Manifest ID: 20631835
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.042
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20010226
Creation Date: 4/30/2001 0:00:00
Receipt Date: 20010228
Manifest ID: 20362658
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0714
Waste Quantity: 17
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20010131
Creation Date: 4/9/2001 0:00:00
Receipt Date: 20010205
Manifest ID: 20359379
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0462
Waste Quantity: 11
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2007
Gen EPA ID: CAD981994809

Shipment Date: 20071221
Creation Date: 5/15/2008 18:30:08
Receipt Date: 20071227
Manifest ID: 000948224SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.126
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071003
Creation Date: 3/5/2008 18:30:06
Receipt Date: 20071005
Manifest ID: 000796994SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| Quantity Tons: | Treatment/Reovery (H010-H129) Or (H131-H135) 0.042 |
| Waste Quantity: | 10 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20070711 |
| Creation Date: | 2/4/2008 18:30:39 |
| Receipt Date: | 20070713 |
| Manifest ID: | 000458565SKS |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.126 |
| Waste Quantity: | 30 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20070417 |
| Creation Date: | 10/24/2007 18:30:22 |
| Receipt Date: | 20070419 |
| Manifest ID: | 000474276SKS |
| Trans EPA ID: | TXR000050930 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | SAFETY-KLEEN SYSTEMS INC |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Quantity Tons: | 0.105 |
| Waste Quantity: | 25 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070125
Creation Date: 2/23/2008 18:30:22
Receipt Date: 20070131
Manifest ID: 000349928SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC 000798
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.042
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1995
Gen EPA ID: CAD981994809

Shipment Date: 19950214
Creation Date: 10/20/1995 0:00:00
Receipt Date: 19950215
Manifest ID: 95287790
Trans EPA ID: CAL000027724
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD981696420
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.042
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950130

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Creation Date: 10/20/1995 0:00:00
Receipt Date: 19950130
Manifest ID: 95250096
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2002
Gen EPA ID: CAD981994809

Shipment Date: 20020813
Creation Date: 3/17/2003 18:31:23
Receipt Date: 20020816
Manifest ID: 21746532
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0924
Waste Quantity: 22
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020523
Creation Date: 1/24/2003 18:31:04
Receipt Date: 20020530
Manifest ID: 21797952
Trans EPA ID: SCR000075150
Trans Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1008
Waste Quantity: 24
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020425
Creation Date: 1/8/2003 18:31:12
Receipt Date: 20020430
Manifest ID: 21583531
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.084
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020328
Creation Date: 7/22/2002 18:32:38
Receipt Date: 20020402
Manifest ID: 21581280
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| Quantity Tons: | 0.0546 |
| Waste Quantity: | 13 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20020131 |
| Creation Date: | 6/7/2002 18:30:54 |
| Receipt Date: | 20020206 |
| Manifest ID: | 21479286 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.063 |
| Waste Quantity: | 15 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20020109 |
| Creation Date: | 3/7/2002 0:00:00 |
| Receipt Date: | 20020110 |
| Manifest ID: | 21468227 |
| Trans EPA ID: | SCR000075150 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT080013352 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 222 - Oil/water separation sludge |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 6.4051 |
| Waste Quantity: | 1536 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Shipment Date: 20020103
Creation Date: 3/7/2002 0:00:00
Receipt Date: 20020109
Manifest ID: 21468226
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 1.3719
Waste Quantity: 329
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1999
Gen EPA ID: CAD981994809

Shipment Date: 19991027
Creation Date: 12/17/1999 0:00:00
Receipt Date: 19991027
Manifest ID: 99063521
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 5.421
Waste Quantity: 1300
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990602
Creation Date: 7/13/1999 0:00:00
Receipt Date: 19990602
Manifest ID: 98734275
Trans EPA ID: CAD982413262

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD981696420
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.21
Waste Quantity: 50
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990310
Creation Date: 5/4/1999 0:00:00
Receipt Date: 19990310
Manifest ID: 98858675
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 4.587
Waste Quantity: 1100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990107
Creation Date: 3/15/1999 0:00:00
Receipt Date: 19990112
Manifest ID: 98678658
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Meth Code: H01 - Transfer Station
Quantity Tons: 0.0798
Waste Quantity: 19
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1993
Gen EPA ID: CAD981994809

Shipment Date: 19930413
Creation Date: 9/6/1995 0:00:00
Receipt Date: 19930415
Manifest ID: 92782548
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: CAD980585498
Trans 2 Name: Not reported
TSDf EPA ID: CAT066702689
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930324
Creation Date: 9/8/1995 0:00:00
Receipt Date: 19930402
Manifest ID: 92784717
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: CAD028277036
Trans 2 Name: Not reported
TSDf EPA ID: CAT080031628
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.209
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2010
Gen EPA ID: CAD981994809

Shipment Date: 20101229
Creation Date: 5/24/2011 18:30:22
Receipt Date: 20110103
Manifest ID: 003643094FLE
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.063
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1998
Gen EPA ID: CAD981994809

Shipment Date: 19981208
Creation Date: 2/8/1999 0:00:00
Receipt Date: 19981209
Manifest ID: 98425563
Trans EPA ID: CAD982413262
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD981696420
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|-----------------------------------|
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19981007 |
| Creation Date: | 12/8/1998 0:00:00 |
| Receipt Date: | 19981007 |
| Manifest ID: | 98139533 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAD099452708 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 222 - Oil/water separation sludge |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 1.7514 |
| Waste Quantity: | 420 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19981006 |
| Creation Date: | 12/7/1998 0:00:00 |
| Receipt Date: | 19981007 |
| Manifest ID: | 98139532 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAD099452708 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 222 - Oil/water separation sludge |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 3.1275 |
| Waste Quantity: | 750 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19980619 |
| Creation Date: | 9/3/1998 0:00:00 |
| Receipt Date: | 19980624 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Manifest ID: 97245836
Trans EPA ID: CAL922125668
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: Not reported
TSDf Alt EPA ID: CAT080013352
TSDf Alt Name: Not reported
Waste Code Description: 241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 1.251
Waste Quantity: 300
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980521
Creation Date: 7/15/1998 0:00:00
Receipt Date: 19980521
Manifest ID: 98329471
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: Not reported
TSDf Alt EPA ID: CAD099452708
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 4.6287
Waste Quantity: 1110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980414
Creation Date: 6/26/1998 0:00:00
Receipt Date: 19980420
Manifest ID: 97244175
Trans EPA ID: CAD982413262
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD981696420
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980129
Creation Date: 3/31/1998 0:00:00
Receipt Date: 19980129
Manifest ID: 97494360
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 4.6287
Waste Quantity: 1110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAD981994809

Shipment Date: 20000407
Creation Date: 5/30/2000 0:00:00
Receipt Date: 20000410
Manifest ID: 99213667
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 4.0532
Waste Quantity: 972

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

| | |
|-------------------------|---|
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20000301 |
| Creation Date: | 5/3/2000 0:00:00 |
| Receipt Date: | 20000303 |
| Manifest ID: | 99873521 |
| Trans EPA ID: | ILD984908202 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | SCR000074591 |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAT000613893 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | D039 |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.063 |
| Waste Quantity: | 15 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20000131 |
| Creation Date: | 3/22/2000 0:00:00 |
| Receipt Date: | 20000131 |
| Manifest ID: | 99381659 |
| Trans EPA ID: | CAD982413262 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAD981696420 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 134 - Aqueous solution with <10% total organic residues |
| RCRA Code: | Not reported |
| Meth Code: | H01 - Transfer Station |
| Quantity Tons: | 0.21 |
| Waste Quantity: | 50 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 20000114 |
| Creation Date: | 3/7/2000 0:00:00 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Receipt Date: 20000118
Manifest ID: 99539071
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.063
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1997
Gen EPA ID: CAD981994809

Shipment Date: 19970630
Creation Date: 12/4/1997 0:00:00
Receipt Date: 19970701
Manifest ID: 95329244
Trans EPA ID: CAD982413262
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD981696420
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.57
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES CO. HMS:

Name: ROLLINS LEASING CORP
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 905021513
Region: LA
Permit Category: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROLLINS LEASING CORP (Continued)

1000286233

Facility Id: 006066-044906
Facility Type: Not reported
Facility Status: OPEN
Area: 2
Permit Number: Not reported
Permit Status: Not reported

HWTS:

Name: PENSKE TRUCK LEASING CORP
Address: 20425 HAMILTON AVE
Address 2: Not reported
City,State,Zip: TORRANCE, CA 905021513
EPA ID: CAD981994809
Inactive Date: 06/30/2004
Create Date: 07/03/1987
Last Act Date: 10/14/2013
Mailing Name: Not reported
Mailing Address: RTE 10 GREEN HILLS
Mailing Address 2: PO BOX 7635
Mailing City,State,Zip: READING, PA 19603
Owner Name: PENSKE TRUCK LEASING CO
Owner Address: RTE 10 GREEN HILLS
Owner Address 2: PO BOX 7635
Owner City,State,Zip: READING, PA 19603
Contact Name: MICHAEL COSTANZA MGR ENV SVS
Contact Address: RTE 10 GREEN HILLS
Contact Address 2: PO BOX 7635
City,State,Zip: READING, PA 19603

NAICS:

EPA ID: CAD981994809
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 53212
NAICS Description: Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing
Issued EPA ID Date: 1987-07-03 00:00:00
Inactive Date: 2004-06-30 00:00:00
Facility Name: PENSKE TRUCK LEASING CORP
Facility Address: 20425 HAMILTON AVE
Facility Address 2: Not reported
Facility City: TORRANCE
Facility County: Not reported
Facility State: CA
Facility Zip: 905021513

O65
WNW
1/8-1/4
0.175 mi.
925 ft.

MATLOCK, MC
20425 HAMILTON AVE
TORRANCE, CA 90502
Site 12 of 13 in cluster O

LUST **U001564104**
HIST UST **N/A**
CIWQS

Relative:
Higher
Actual:
30 ft.

LUST:
Name: ROLLINS LEASING CORP FACILITY
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MATLOCK, MC (Continued)

U001564104

Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704727
Global Id: T0603704727
Latitude: 33.845552
Longitude: -118.287068
Status: Completed - Case Closed
Status Date: 09/18/1997
Case Worker: JP
RB Case Number: R-06281
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: Aviation
Site History: Not reported

LUST:

Global Id: T0603704727
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: T0603704727
Contact Type: Regional Board Caseworker
Contact Name: JOSE PEREYRA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0603704727
Action Type: Other
Date: 10/08/1987
Action: Leak Reported

HIST UST:

Name: MATLOCK, MC
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000008099
Facility Type: Other
Other Type: TRUCK TERMINAL
Contact Name: MIKE NELSON
Telephone: 2138342558
Owner Name: MATLOCK, MC
Owner Address: 10 W. BALTMORE AVE.
Owner City,St,Zip: LANSDOWNE, PA 19050
Total Tanks: 0006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MATLOCK, MC (Continued)

U001564104

Tank Num: 001
Container Num: 19
Year Installed: 1965
Tank Capacity: 00009926
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 20
Year Installed: 1965
Tank Capacity: 00009926
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 21
Year Installed: 1965
Tank Capacity: 00002500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 22
Year Installed: 1965
Tank Capacity: 00002550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 23
Year Installed: 1965
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 24
Year Installed: 1965
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 007
Container Num: 25
Year Installed: 1965

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MATLOCK, MC (Continued)

U001564104

Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 008
Container Num: 26
Year Installed: 1965
Tank Capacity: 00009000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

CIWQS:

Name: PENSKE TRUCK PARKING LOT IMPROVEMENT
Address: 20425 HAMILTON AVE
City,State,Zip: TORRANCE, CA 90502
Agency: Penske Truck Leasing Co LP
Agency Address: Rt 10 Green Hills PO Box 563, Reading, PA 19608
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C363196
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 03/13/2012
Termination Date: 09/17/2013
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: 33.84552
Longitude: -118.28712

O66
WNW
1/8-1/4
0.175 mi.
925 ft.

BRITE SOL CLEANING DIV MATLACK INC
20425 S HAMILTON AVE
TORRANCE, CA 90502

RCRA NonGen / NLR **1000397678**
CAD980880835

Site 13 of 13 in cluster O

Relative:
Higher
Actual:
30 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2001-09-19 00:00:00.0
Handler Name: BRITE SOL CLEANING DIV MATLACK INC
Handler Address: 20425 S HAMILTON AVE
Handler City,State,Zip: TORRANCE, CA 90502
EPA ID: CAD980880835
Contact Name: PAUL MOYER
Contact Address: 1 ROLLINS PLAZA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BRITE SOL CLEANING DIV MATLACK INC (Continued)

1000397678

| | |
|--|---------------------------|
| Contact City,State,Zip: | WILMINGTON, DE 19899 |
| Contact Telephone: | 302-426-2944 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 20425 S HAMILTON AVE |
| Mailing City,State,Zip: | TORRANCE, CA 90502 |
| Owner Name: | MATLACK INC |
| Owner Type: | Private |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRITE SOL CLEANING DIV MATLACK INC (Continued)

1000397678

| | |
|---|-----------------------|
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2002-06-27 03:22:51.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Handler - Owner Operator:

| | |
|--------------------------------|------------------------|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|--------------------------------|------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MATLACK INC |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|--|------------------------------------|
| Receive Date: | 1996-09-01 00:00:00.0 |
| Handler Name: | BRITE SOL CLEANING DIV MATLACK INC |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BRITE SOL CLEANING DIV MATLACK INC (Continued)

1000397678

| | |
|--|------------------------------------|
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| Receive Date: | 2001-09-19 00:00:00.0 |
| Handler Name: | BRITE SOL CLEANING DIV MATLACK INC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:
 NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

67
ESE
1/8-1/4
0.184 mi.
973 ft.

225 TORRANCE BLVD.
225 TORRANCE BLVD.
CARSON, CA 90745

US BROWNFIELDS **1023618689**
FINDS **N/A**

Relative:
Lower
Actual:
18 ft.

US BROWNFIELDS:

| | |
|-------------------------|---|
| Name: | 225 TORRANCE BLVD. |
| Address: | 225 TORRANCE BLVD. |
| City,State,Zip: | CARSON, CA - |
| Recipient Name: | Carson, City of |
| Grant Type: | Assessment |
| Property Number: | - |
| Parcel size: | - |
| Latitude: | 33.842237 |
| Longitude: | -118.281284 |
| HCM Label: | Address Matching-House Number |
| Map Scale: | 100000 |
| Point of Reference: | Entrance Point of a Facility or Station |
| Highlights: | - |
| Datum: | North American Datum of 1983 |
| Acres Property ID: | 15047 |
| IC Data Access: | - |
| Start Date: | - |
| Redev Completion Date: | - |
| Completed Date: | - |
| Acres Cleaned Up: | - |
| Cleanup Funding: | - |
| Cleanup Funding Source: | - |
| Assessment Funding: | - |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

225 TORRANCE BLVD. (Continued)

1023618689

| | |
|-----------------------------------|--------------|
| Assessment Funding Source: | - |
| Redevelopment Funding: | - |
| Redev. Funding Source: | - |
| Redev. Funding Entity Name: | - |
| Redevelopment Start Date: | - |
| Assessment Funding Entity: | - |
| Cleanup Funding Entity: | - |
| Grant Type: | - |
| Accomplishment Type: | - |
| Accomplishment Count: | - |
| Cooperative Agreement Number: | 98944601 |
| Start Date: | - |
| Ownership Entity: | - |
| Completion Date: | - |
| Current Owner: | - |
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |
| IC Category Proprietary Controls: | - |
| IC Cat. Info. Devices: | - |
| IC Cat. Gov. Controls: | - |
| IC Cat. Enforcement Permit Tools: | - |
| IC in place date: | - |
| IC in place: | U |
| State/tribal program date: | - |
| State/tribal program ID: | - |
| State/tribal NFA date: | - |
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controlled substance found: | - |
| Controlled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | Not reported |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |
| Other contaminants found: | - |
| Other contams found description: | - |
| PAHs found: | - |
| PAHs cleaned up: | - |
| PCBs found: | - |
| PCBs cleaned up: | - |
| Petro products found: | - |
| Petro products cleaned: | - |
| Sediments found: | - |
| Sediments cleaned: | - |
| Soil affected: | - |
| Soil cleaned up: | - |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

225 TORRANCE BLVD. (Continued)

1023618689

| | |
|-------------------------------------|--------------|
| Surface water cleaned: | - |
| VOCs found: | - |
| VOCs cleaned: | - |
| Cleanup other description: | - |
| Num. of cleanup and re-dev. jobs: | - |
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |
| Unknown contaminant found: | - |
| Future Use: Multistory | - |
| Media affected Bluiding Material: | - |
| Media affected indoor air: | - |
| Building material media cleaned up: | - |
| Indoor air media cleaned up: | - |
| Unknown media cleaned up: | - |
| Past Use: Multistory | Not reported |
| Property Description: | - |
| Below Poverty Number: | 222 |
| Below Poverty Percent: | 5.54 |
| Meidan Income: | 11494 |
| Meidan Income Number: | 1266 |
| Meidan Income Percent: | 31.6 |
| Vacant Housing Number: | 27 |
| Vacant Housing Percent: | 2.47 |
| Unemployed Number: | 360 |
| Unemployed Percent: | 8.99 |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

225 TORRANCE BLVD. (Continued)

1023618689

FINDS:

Registry ID: 110060749702

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is a 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.

**68
 WSW
 1/8-1/4
 0.206 mi.
 1088 ft.**

**PETER FREDERIKSEN
 714 GREENHEDGE STREET
 TORRANCE, CA 90502**

**RCRA NonGen / NLR 1026485345
 CAC003091473**

**Relative:
 Higher**

RCRA NonGen / NLR:

**Actual:
 32 ft.**

| | |
|--|--------------------------------|
| Date Form Received by Agency: | 2020-11-04 00:00:00.0 |
| Handler Name: | PETER FREDERIKSEN |
| Handler Address: | 714 GREENHEDGE STREET |
| Handler City,State,Zip: | TORRANCE, CA 90502 |
| EPA ID: | CAC003091473 |
| Contact Name: | PETER FREDERIKSEN |
| Contact Address: | 616 VIA DEL MONTE |
| Contact City,State,Zip: | PALOS VERDES ESTATES, CA 90274 |
| Contact Telephone: | 310-418-8125 |
| Contact Fax: | Not reported |
| Contact Email: | LUPE@FRESHAIRENVIROMENTAL.COM |
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | 616 VIA DEL MONTE |
| Mailing City,State,Zip: | PALOS VERDES ESTATES, CA 90274 |
| Owner Name: | PETER FREDERIKSEN |
| Owner Type: | Other |
| Operator Name: | PETER FREDERIKSEN |
| Operator Type: | Other |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PETER FREDERIKSEN (Continued)

1026485345

| | |
|--|-----------------------|
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2020-11-06 21:06:21.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

| | |
|--------------------------------|--------------------------------|
| Handler - Owner Operator: | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | PETER FREDERIKSEN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 616 VIA DEL MONTE |
| Owner/Operator City,State,Zip: | PALOS VERDES ESTATES, CA 90274 |
| Owner/Operator Telephone: | 310-418-8125 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PETER FREDERIKSEN (Continued)

1026485345

| | |
|--------------------------------|--------------------------------|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | PETER FREDERIKSEN |
| Legal Status: | Other |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 616 VIA DEL MONTE |
| Owner/Operator City,State,Zip: | PALOS VERDES ESTATES, CA 90274 |
| Owner/Operator Telephone: | 310-418-8125 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|--|---------------------------|
| Receive Date: | 2020-11-04 00:00:00.0 |
| Handler Name: | PETER FREDERIKSEN |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|--------------------|-------------------------------------|
| NAICS Code: | 56299 |
| NAICS Description: | ALL OTHER WASTE MANAGEMENT SERVICES |

Facility Has Received Notices of Violations:

| | |
|-------------|---------------------|
| Violations: | No Violations Found |
|-------------|---------------------|

Evaluation Action Summary:

| | |
|--------------|----------------------|
| Evaluations: | No Evaluations Found |
|--------------|----------------------|

P69
WSW
1/8-1/4
0.216 mi.
1139 ft.

BERADA CORPORATION-GARDENA VAL
801 TORRANCE
CARSON, CA
Site 1 of 3 in cluster P

WMUDS/SWAT S103441297
N/A

Relative:
Higher

| | | |
|------------------|------------------------|--------------|
| Relative: | WMUDS/SWAT: | |
| Higher | Edit Date: | Not reported |
| Actual: | Complexity: | Not reported |
| 28 ft. | 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: | 59-174 |
| | Municipal Solid Waste: | False |
| | Superorder: | False |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BERADA CORPORATION-GARDENA VAL (Continued)

S103441297

Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: BERADA CORPORATION
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: ALPINE VILLAGE, INC.
Land Owner Address: 2950 PALOS VERDES DRIVE NORTH
Land Owner City,St,Zip: CITY OF ROLLING HILLS, CA 90274
Land Owner Contact: HANS ROTLER, PRESIDENT
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: BERADA CORPORATION
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: R_N
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 190010NUR
Solid Waste Information ID: Not reported

Q70
NNE
1/8-1/4
0.218 mi.
1151 ft.

SOUTHWEST CONSERVATION
20300 S MAIN ST
CARSON, CA 90745
Site 1 of 5 in cluster Q

SEMS-ARCHIVE 1003878481
CAD980636500

Relative:
Lower
Actual:
23 ft.

SEMS Archive:
Site ID: 0901816
EPA ID: CAD980636500
Name: SOUTHWEST CONSERVATION
Address: 20300 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTHWEST CONSERVATION (Continued)

1003878481

SEMS Archive Detail:

Region: 09
 Site ID: 0901816
 EPA ID: CAD980636500
 Site Name: SOUTHWEST CONSERVATION
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1985-02-01 06:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse

Region: 09
 Site ID: 0901816
 EPA ID: CAD980636500
 Site Name: SOUTHWEST CONSERVATION
 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: 0901816
 EPA ID: CAD980636500
 Site Name: SOUTHWEST CONSERVATION
 NPL: N
 FF: N
 OU: 00
 Action Code: PA
 Action Name: PA
 SEQ: 1
 Start Date: 1984-10-01 05:00:00
 Finish Date: 1985-02-01 06:00:00
 Qual: N
 Current Action Lead: St Perf

Q71 **CAL-COMPACT NO. 2**
NNE **20300 SOUTH MAIN STREET**
1/8-1/4 **CARSON, CA 90745**
0.218 mi.
1151 ft. **Site 2 of 5 in cluster Q**

WMUDS/SWAT **S104156314**
N/A

Relative: **WMUDS/SWAT:**
Lower Edit Date: Not reported
Actual: Complexity: Not reported
23 ft. Primary Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL-COMPACT NO. 2 (Continued)

S104156314

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: 59-45
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: WORLD INDUSTRIAL CENTER
Agency Department: Not reported
Agency Address: 611 ANTON ROAD SUIT
Agency City,St,Zip: COSTA MESA 92626
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: WORLD INDUSTRIAL CENTER
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: R_N
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 190030NUR
Solid Waste Information ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q72 **SOUTHWEST CONSERVATION**
NNE **20300 MAIN**
1/8-1/4 **CARSON, CA 90745**
0.218 mi.
1151 ft. **Site 3 of 5 in cluster Q**

ENVIROSTOR **S105023095**
LDS **N/A**
HIST CORTESE
CERS

Relative:
Lower
Actual:
23 ft.

ENVIROSTOR:
Name: SOUTHWEST CONSERVATION
Address: 20300 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 19490193
Status: Inactive - Needs Evaluation
Status Date: 05/09/2007
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.84648
Longitude: -118.2796
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * Metals - Sludge Asbestos Containing Materials
(ACM * UNSPECIFIED OIL CONTAINING WASTE * DRILLING MUD
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: MAIN STREET DUMP
Alias Type: Alternate Name
Alias Name: SOUTH BAY SIX THEATERS
Alias Type: Alternate Name
Alias Name: CAD980636492
Alias Type: EPA Identification Number
Alias Name: CAD980636500
Alias Type: EPA Identification Number
Alias Name: 19490193
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: 10/27/1994
Comments: Site screening/file search concludes NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/10/1987
Comments: SITE SCREENING DONE ON SWAT LIST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHWEST CONSERVATION (Continued)

S105023095

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1984
Comments: PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/28/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/15/1982
Comments: FACILITY IDENTIFIED LA CO 630 SERIES BASE COORD MAP (1973)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/14/1982
Comments: FACILITY IDENTIFIED CO ENGR INACTIVE WASTE DISPOSAL FACILITY

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

LDS:

Name: CAL-COMPACT 2 SANITARY LANDFILL
Address: 20300 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745

Global Id: T10000004290
Latitude: 33.84272
Longitude: -118.2726
Case Type: Land Disposal Site
Status: Completed - Case Closed
Status Date: 09/26/2012
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Caseworker: WY
Local Agency: Not reported
RB Case Number: 59-045
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: T10000004290
Potential Contaminants of Concern: Not reported
Site History: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTHWEST CONSERVATION (Continued)

S105023095

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

edr_fname: SOUTHWEST CONSERVATION
 edr_fadd1: 20300 MAIN
 City,State,Zip: CARSON, CA 90745
 Region: CORTESE
 Facility County Code: 19
 Reg By: CALSI
 Reg Id: 19490193

CERS:

Name: CAL-COMPACT 2 SANITARY LANDFILL
 Address: 20300 SOUTH MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Site ID: 225124
 CERS ID: T10000004290
 CERS Description: Land Disposal Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
 Entity Name: Wen Yang - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4TH ST., SUITE 200
 Affiliation City: LOS ANGELES
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2136202253

Q73
NNE
1/8-1/4
0.218 mi.
1151 ft.

CAL COMPACT LANDFILL
20300 SOUTH MAIN STREET
CARSON, CA 90749

CA BOND EXP. PLAN **S100833309**
N/A

Site 4 of 5 in cluster Q

Relative:
Lower
Actual:
23 ft.

CA BOND EXP. PLAN:
 Reponsible Party: RESPONSIBLE PARTY LEAD SITE CLEANUP WORKPLAN
 Project Revenue Source Company: Not reported
 Project Revenue Source Addr: Not reported
 Project Revenue Source City,St,Zip: Not reported
 Project Revenue Source Desc: DHS issued a RAO to the PRPs. DHS has budgeted \$70,000 for oversight and monitoring of cleanup efforts and will recover 100 percent of the direct costs, plus staff costs and overhead related to the project. The responsible parties are expected to pay all costs associated with remedial investigation and cleanup activities.
 Site Description: The Cal Compact Landfill is a former Class II landfill that occupies approximately 180 acres. Operations at this facility were conducted from 1959 to the late 1960's. The exact closure date is uncertain. Although the landfill was designated as a Class II facility, at least 250,000 cubic yards of hazardous waste liquids and sludges were disposed of at this site.
 Hazardous Waste Desc: This site has a documented history of having received a broad range of petrochemicals, paints, solvents, dyes, organic resins, and inorganic salts. Heavy metals, pesticides such as DDD and DDE; herbicides (4,6-dinitroresol and PCP), and solvents have been identified in the soil and landfill leachate at

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAL COMPACT LANDFILL (Continued)

S100833309

Threat To Public Health & Env: the site.
 There is a potential for contaminants to migrate to ground water, surface water and air. Exposure of humans to airborne volatile organic compounds in air may be facilitated by movement of these substances from decomposing landfill material to the atmosphere. Although the fill material is capped with about three feet of cover soil, landfill gas containing methane has been detected escaping from cracks in the cover material and offsite. These gases may contain hazardous volatile organic substances. There is a potential threat to ground water posed by landfill leachate. Contamination has been found in the unused perched aquifer, which may be hydrologically connected to deeper, usable aquifers. The site is adjacent to the Dominguez Channel, a waterway that flows into Los Angeles Harbor. Should landfill materials become exposed, they may be transported as rain runoff to the Channel.

Site Activity Status: Substantial leachate and soil sampling on a 63-acre portion of the site was completed by a previous landowner. Further site characterization on the 63-acre portion and the remaining 117 acres is necessary. A RAO was issued to 14 potentially responsible parties (PRPs) on March 18, 1988. There are 12 PRPs that have been determined to be in noncompliance with the RAO. The remaining PRPs are expected to conduct RI/FS activities commencing in Winter, 1989.

Q74 **CAL COMPACT**
NNE **20030 S MAIN**
1/8-1/4 **CARSON, CA 90745**
0.218 mi.
1151 ft. **Site 5 of 5 in cluster Q**

SEMS 1000108394
LOS ANGELES CO. HMS CAD980735955

Relative: **SEMS:**
Lower Site ID: 0901999
Actual: EPA ID: CAD980735955
23 ft. Name: CAL COMPACT
 Address: 20030 S MAIN
 Address 2: Not reported
 City,State,Zip: CARSON, CA 90745
 Cong District: 32
 FIPS Code: 06037
 Latitude: Not reported
 Longitude: Not reported
 FF: N
 NPL: Not on the NPL
 Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:
 Region: 09
 Site ID: 0901999
 EPA ID: CAD980735955
 Site Name: CAL COMPACT
 NPL: N
 FF: N
 OU: 00
 Action Code: DS
 Action Name: DISCVRY
 SEQ: 1
 Start Date: 1979-11-01 05:00:00
 Finish Date: 11/1/1979 5:00:00 AM
 Qual: Not reported
 Current Action Lead: EPA Perf

 Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT (Continued)

1000108394

Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 3
Start Date: 1980-04-01 05:00:00
Finish Date: 12/1/1982 5:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: Not reported
Finish Date: 12/1/1982 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 4/1/1980 5:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 2
Start Date: 1980-04-01 05:00:00
Finish Date: 12/1/1982 5:00:00 AM
Qual: H

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL COMPACT (Continued)

1000108394

Current Action Lead: St Perf

Region: 09
Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: VA
Action Name: OTHR CLEANUP
SEQ: 1
Start Date: 2000-10-01 04:00:00
Finish Date: Not reported
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: Not reported
Finish Date: 6/13/2006 4:00:00 AM
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0901999
EPA ID: CAD980735955
Site Name: CAL COMPACT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 12/19/1989 5:00:00 AM
Qual: L
Current Action Lead: St Perf

LOS ANGELES CO. HMS:

Name: CAL COMPACT
Address: 20300 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: I
Facility Id: 004442-I04610
Facility Type: 08
Facility Status: Closed

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAL COMPACT (Continued)

1000108394

Area: 22
 Permit Number: 000002145
 Permit Status: Closed

**R75
 NW
 1/8-1/4
 0.222 mi.
 1173 ft.**

**LAB CORP OF AMERICA
 20221 HAMILTON AVE
 TORRANCE, CA 90502**

RCRA-SQG

**1025879732
 CAP000112698**

Site 1 of 3 in cluster R

**Relative:
 Higher
 Actual:
 31 ft.**

RCRA-SQG:
 Date Form Received by Agency: 2002-02-20 00:00:00.0
 Handler Name: LAB CORP OF AMERICA
 Handler Address: 20221 HAMILTON AVE
 Handler City,State,Zip: TORRANCE, CA 90502
 EPA ID: CAP000112698
 Contact Name: CAROLYN FONG
 Contact Address: 20221 HAMILTON AVE
 Contact City,State,Zip: TORRANCE, CA 90502
 Contact Telephone: 310-323-5001
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Private
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 20221 HAMILTON AVE
 Mailing City,State,Zip: TORRANCE, CA 90502
 Owner Name: LAB CORP OF AMERICA
 Owner Type: Private
 Operator Name: Not reported
 Operator Type: Not reported
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: N
 Sub-Part K Indicator: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAB CORP OF AMERICA (Continued)

1025879732

Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDs Where RCRA CA has Been Imposed Universe: No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2002-10-22 12:10:52.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: LAB CORP OF AMERICA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 309 E DAVIS
Owner/Operator City,State,Zip: BURLINGTON, NC 27215
Owner/Operator Telephone: 330-222-7566
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAB CORP OF AMERICA (Continued)

1025879732

Historic Generators:
 Receive Date: 2002-02-20 00:00:00.0
 Handler Name: LAB CORP OF AMERICA
 Federal Waste Generator Description: Small Quantity Generator
 State District Owner: Not reported
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
 NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

76
SSE
1/8-1/4
0.228 mi.
1205 ft.

CARBURETOR LAND
20922 S MAIN ST
CARSON, CA 90745

RCRA-SQG **1000820533**
FINDS **CAD983665928**
ECHO
HAZNET
HWTS

Relative:
Lower
Actual:
22 ft.

RCRA-SQG:
 Date Form Received by Agency: 1993-04-22 00:00:00.0
 Handler Name: CARBURETOR LAND
 Handler Address: 20922 S MAIN ST
 Handler City,State,Zip: CARSON, CA 90745
 EPA ID: CAD983665928
 Contact Name: JESUS VALADES
 Contact Address: 20922 S MAIN ST
 Contact City,State,Zip: CARSON, CA 90745
 Contact Telephone: 310-518-5710
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Private
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: S MAIN ST
 Mailing City,State,Zip: CARSON, CA 90745
 Owner Name: MANUEL GALLEGOS
 Owner Type: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARBURETOR LAND (Continued)

1000820533

| | |
|--|-----------------------|
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRC Permit Baseline: | Not on the Baseline |
| 2018 GPRC Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRC Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSD Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2000-09-15 17:30:49.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARBURETOR LAND (Continued)

1000820533

Handler - Owner Operator:

| | |
|--------------------------------|------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MANUEL GALLEGOS |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 20922 S MAIN ST |
| Owner/Operator City,State,Zip: | CARSON, CA 90745 |
| Owner/Operator Telephone: | 310-518-5710 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|--|--------------------------|
| Receive Date: | 1993-04-22 00:00:00.0 |
| Handler Name: | CARBURETOR LAND |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|--------------|----------------------|
| NAICS Codes: | No NAICS Codes Found |
|--------------|----------------------|

Facility Has Received Notices of Violations:

| | |
|-------------|---------------------|
| Violations: | No Violations Found |
|-------------|---------------------|

Evaluation Action Summary:

| | |
|--------------|----------------------|
| Evaluations: | No Evaluations Found |
|--------------|----------------------|

FINDS:

| | |
|--------------|--------------|
| Registry ID: | 110002897438 |
|--------------|--------------|

Click Here:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARBURETOR LAND (Continued)

1000820533

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000820533
Registry ID: 110002897438
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002897438>
Name: CARBURETOR LAND
Address: 20922 S MAIN ST
City,State,Zip: CARSON, CA 90745

HAZNET:

Name: CARBURETOR LAND
Address: 20922 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907450000
Contact: JACKIE ADAME
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 20922 MAIN ST # S

Year: 2012
Gepaid: CAD983665928
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.133

Year: 2011
Gepaid: CAD983665928
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.266

Year: 2000
Gepaid: CAD983665928
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.105

Year: 1999
Gepaid: CAD983665928
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.1764

Year: 1994
Gepaid: CAD983665928
TSD EPA ID: CAT000613893

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARBURETOR LAND (Continued)

1000820533

CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.1218

Additional Info:
Year: 2012
Gen EPA ID: CAD983665928

Shipment Date: 20121019
Creation Date: 2/15/2013 22:15:28
Receipt Date: 20121022
Manifest ID: 010569187JJK
Trans EPA ID: CAL000360685
Trans Name: MOVEEL FUEL
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

Quantity Tons: 0.133
Waste Quantity: 35
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAD983665928

Shipment Date: 20000719
Creation Date: 9/11/2000 0:00:00
Receipt Date: 20000725
Manifest ID: 20190591
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.105
Waste Quantity: 25

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARBURETOR LAND (Continued)

1000820533

Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2011
Gen EPA ID: CAD983665928

Shipment Date: 20111014
Creation Date: 12/20/2011 18:30:24
Receipt Date: 20111015
Manifest ID: 008858284JJK
Trans EPA ID: CAL000360685
Trans Name: MOVEEL FUEL
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Quantity Tons: 0.266
Waste Quantity: 70
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1999
Gen EPA ID: CAD983665928

Shipment Date: 19990430
Creation Date: 6/3/1999 0:00:00
Receipt Date: 19990505
Manifest ID: 98801384
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1764

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARBURETOR LAND (Continued)

1000820533

Waste Quantity: 42
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1994
Gen EPA ID: CAD983665928

Shipment Date: 19940203
Creation Date: 3/17/1999 0:00:00
Receipt Date: 19990208
Manifest ID: 98635407
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDf EPA ID: CAT000613893
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1218
Waste Quantity: 29
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: CARBURETOR LAND
Address: 20922 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907450000
EPA ID: CAD983665928
Inactive Date: 06/30/2006
Create Date: 04/22/1993
Last Act Date: 03/19/2014
Mailing Name: Not reported
Mailing Address: 20922 MAIN ST # S
Mailing Address 2: Not reported
Mailing City,State,Zip: CARSON, CA 907450000
Owner Name: JOSE JESUS VALADEZ
Owner Address: 20922 MAIN ST # S
Owner Address 2: Not reported
Owner City,State,Zip: CARSON, CA 907450000
Contact Name: JACKIE ADAME
Contact Address: Not reported
Contact Address 2: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CARBURETOR LAND (Continued)

1000820533

City,State,Zip: CA 000000000
 NAICS:
 EPA ID: CAD983665928
 Create Date: 2002-03-14 16:36:27.000
 NAICS Code: 811111
 NAICS Description: General Automotive Repair
 Issued EPA ID Date: 1993-04-22 00:00:00
 Inactive Date: 2006-06-30 00:00:00
 Facility Name: CARBURETOR LAND
 Facility Address: 20922 S MAIN ST
 Facility Address 2: Not reported
 Facility City: CARSON
 Facility County: Not reported
 Facility State: CA
 Facility Zip: 907450000

R77 **GARDENA VALLEY DUMP #4 (ALPINE VILLAGE)** **SWF/LF** **S111075914**
WNW **736 WEST DEL AMO BOULEVARD** **LOS ANGELES CO LF METHANE** **N/A**
1/8-1/4 **TORRANCE, CA 90502**
0.230 mi.
1216 ft. **Site 2 of 3 in cluster R**

Relative: LOS ANGELES CO. LF:
Higher Name: GARDENA VALLEY DUMP #4 (ALPINE VILLAGE)
Actual: Address: 736 WEST DEL AMO BOULEVARD
32 ft. City,State,Zip: TORRANCE, CA 90502
 Site ID: 1944
 Alt. Address: 833 West Torrance Avenue, Torrance, CA 90503
 Site Contact: Not reported
 Site Contact Phone: Not reported
 Site Email: Not reported
 Site Website: Not reported
 Site Type: Designated Waste Landfill
 Site SWIS Number: 19-AA-5058
 Beginning Operation Date: Sep-59
 Ending Operation Date: May-62
 Local Enforcement Agency: County Public Health
 Maximun Depth Fill(Ft): 30
 Permitted Capacity: Not reported
 Present Use: Residential; Commercial
 Remaining Capacity(Million): Not reported
 Status: Closed
 Waste Accepted: Commercial; Liquid; Residential
 Hours of Operation: Not reported
 Disposal Area (Acre): 22.3000000

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: Multiple Owners (See Notes)
 Owner Address: Not reported
 Owner City/State/Zip: Not reported
 Owner Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY DUMP #4 (ALPINE VILLAGE) (Continued)

S111075914

Owner Telephone: Not reported
Owner Email: Not reported

LOS ANGELES CO LF METHANE:

Name: GARDENA VALLEY DUMP #4 (ALPINE VILLAGE)
Address: 736 WEST DEL AMO BOULEVARD
City,State,Zip: TORRANCE, CA 90502
Site Number: 1944
Status: Closed
Description: Designated Waste Landfill
Operator Name: Unknown
Operator Telephone: Not reported

R78
WNW
1/8-1/4
0.230 mi.
1216 ft.

THE EMPTY ATTIC
736 W. DEL AMO BOULEVARD
TORRANCE, CA 90502

ENVIROSTOR **S106087289**
VCP **N/A**

Site 3 of 3 in cluster R

Relative:
Higher
Actual:
32 ft.

ENVIROSTOR:
Name: THE EMPTY ATTIC
Address: 736 W. DEL AMO BOULEVARD
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60000978
Status: No Further Action
Status Date: 09/08/2009
Site Code: 401462
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: S. Steven Hariri
Supervisor: Ju-Tseng Liu
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84511
Longitude: -118.2885
APN: 7350001131
Past Use: LDF
Potential COC: Benzene Methane Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Barium and compounds Cadmium and compounds Chromium III Not reported
Confirmed COC: 30022-NO 30067-NO 30108-NO 30152-NO 30028-NO 30027-NO 30003-NO 30015-NO
Potential Description: OTH, SOIL, SV
Alias Name: 7350001131
Alias Type: APN
Alias Name: 401462
Alias Type: Project Code (Site Code)
Alias Name: 60000978

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE EMPTY ATTIC (Continued)

S106087289

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 09/30/2008
Comments: Reimbursement Agreement for the review of an assessment workplan and report and other information pertinent to the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/10/2009
Comments: DTSC approved the PEA.

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:

Name: THE EMPTY ATTIC
Address: 736 W. DEL AMO BOULEVARD
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60000978
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: S. Steven Hariri
Supervisor: Ju-Tseng Liu
Division Branch: Cleanup Cypress
Site Code: 401462
Assembly: 66
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/08/2009
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.84511 / -118.2885

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

THE EMPTY ATTIC (Continued)

S106087289

APN: 7350001131
 Past Use: LDF
 Potential COC: 30003, 30015, 30022, 30027, 30028, 30067, 30108, 30152
 Confirmed COC: 30022-NO,30067-NO,30108-NO,30152-NO,30028-NO,30027-NO,30003-NO,30015-NO
 Potential Description: OTH, SOIL, SV
 Alias Name: 7350001131
 Alias Type: APN
 Alias Name: 401462
 Alias Type: Project Code (Site Code)
 Alias Name: 60000978
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 09/08/2009
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Reimbursement Agreement
 Completed Date: 09/30/2008
 Comments: Reimbursement Agreement for the review of an assessment workplan and report and other information pertinent to the Site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 06/10/2009
 Comments: DTSC approved the PEA.

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

P79
WSW
1/8-1/4
0.240 mi.
1267 ft.

GARDENA VALLEY #4 LANDFILL
833 W. TORRANCE BLVD.
TORRANCE, CA 90502
Site 2 of 3 in cluster P

ENVIROSTOR **S102056992**
SWF/LF **N/A**
CERS

Relative:
Higher
Actual:
27 ft.

ENVIROSTOR:
 Name: GARDENA VALLEY #4 LANDFILL
 Address: 833 W. TORRANCE BLVD.
 City,State,Zip: TORRANCE, CA 90502
 Facility ID: 60001199
 Status: No Action Required
 Status Date: 10/05/2018
 Site Code: 401499
 Site Type: Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY #4 LANDFILL (Continued)

S102056992

Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.84203
Longitude: -118.2887
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 401499
Alias Type: Project Code (Site Code)
Alias Name: 60001199
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 06/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 07/26/2010
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

SWF/LF (SWIS):

Name: GARDENA VALLEY DUMP #4 - ALPINE VILLAGE
Address: 833 W TORRANCE
City,State,Zip: TORRANCE, CA 90503
Region: STATE
Facility ID: 19-AA-5058
SWIS Number: 19-AA-5058
Point of Contact: Dawn Liang

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY #4 LANDFILL (Continued)

S102056992

| | |
|---------------------------------------|---|
| Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Operational Status: | Closed |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | B2 |
| EPA Federal Registry ID: | Not reported |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Torrance |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Unpermitted |
| Activity: | |
| SWIS Number: | 19-AA-5058 |
| Site Name: | Gardena Valley Dump #4 - Alpine Village |
| Activity: | Solid Waste Disposal Site |
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | Not reported |
| Cease Operation Type: | Not reported |
| Inspection Frequency: | Quarterly |
| Throughput: | Not reported |
| Throughput Units: | Not reported |
| Remaining Capacity: | Not reported |
| Remaining Capacity Date: | Not reported |
| Capacity: | Not reported |
| Capacity Units: | Not reported |
| Total Acreage: | 0 |
| Disposal Acreage: | 0 |
| Permitted Elevation: | Not reported |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | Not reported |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Unpermitted |
| Site Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | B2 |
| EPA Federal Registry ID: | Not reported |
| County: | Los Angeles |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Torrance |
| Street Address: | 833 W Torrance |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY #4 LANDFILL (Continued)

S102056992

City: Torrance
State: CA
ZIP Code: 90503
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Owner:

SWIS Number: 19-AA-5058
Owner: Rollins Leasing Corp.Trucking Facility
Owner Address: 20425 Hamilton
Owner City: Not reported
Owner State: Not reported
Owner Zip: Not reported
Site Name: Gardena Valley Dump #4 - Alpine Village
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Unpermitted
Latitude: 33.84315
Longitude: -118.28792
Is Archived: No
Started On: 6/19/1997
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

SWIS Number: 19-AA-5058
Owner: Hans Rotter/Alpine Valley-Market/Restaur
Owner Address: 80133 W Torrance
Owner City: Not reported
Owner State: Not reported
Owner Zip: Not reported
Site Name: Gardena Valley Dump #4 - Alpine Village
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Unpermitted
Latitude: 33.84315
Longitude: -118.28792
Is Archived: No
Started On: 6/19/1997
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

SWIS Number: 19-AA-5058
Owner: Ponderosa Pine Association-Condominiums
Owner Address: 20712 S. Vermont
Owner City: Not reported
Owner State: Not reported
Owner Zip: Not reported
Site Name: Gardena Valley Dump #4 - Alpine Village
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Unpermitted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY #4 LANDFILL (Continued)

S102056992

Latitude: 33.84315
Longitude: -118.28792
Is Archived: No
Started On: 6/19/1997
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

SWIS Number: 19-AA-5058
Owner: Progressive Property Mgmt-Mini Storage
Owner Address: 736 Del Amo Blvd.
Owner City: Not reported
Owner State: Not reported
Owner Zip: Not reported
Site Name: Gardena Valley Dump #4 - Alpine Village
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Unpermitted
Latitude: 33.84315
Longitude: -118.28792
Is Archived: No
Started On: 6/19/1997
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

CERS:

Name: GARDENA VALLEY DUMP #4 - ALPINE VILLAGE
Address: 833 W TORRANCE
City,State,Zip: TORRANCE, CA
Site ID: 508840
CERS ID: 19-AA-5058
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Ponderosa Pine Association-Condominiums
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Rollins Leasing Corp.Trucking Facility
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY #4 LANDFILL (Continued)

S102056992

Affiliation Type Desc: Legal Owner
Entity Name: Hans Rotter/Alpine Valley-Market/Restaur
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Progressive Property Mgmt-Mini Storage
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: GARDENA VALLEY DUMP NO 4
Address: 833 WEST TORRANCE BLVD
City,State,Zip: TORRANCE, CA 90502-1735
Site ID: 469492
CERS ID: 110009329468
CERS Description: US EPA Air Emission Inventory System (EIS)

P80
WSW
1/8-1/4
0.240 mi.
1267 ft.

GARDENA VALLEY DUMP NO 4
833 WEST TORRANCE BLVD
TORRANCE, CA 90502
Site 3 of 3 in cluster P

SEMS 1000893604
CAD000568865

Relative:
Higher
Actual:
27 ft.

SEMS:
Site ID: 0905129
EPA ID: CAD000568865
Name: GARDENA VALLEY DUMP NO 4
Address: 833 WEST TORRANCE BLVD
Address 2: Not reported
City,State,Zip: TORRANCE, CA 90502
Cong District: 31
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:
Region: 09
Site ID: 0905129
EPA ID: CAD000568865
Site Name: GARDENA VALLEY DUMP NO 4
NPL: N
FF: N
OU: 00
Action Code: SI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARDENA VALLEY DUMP NO 4 (Continued)

1000893604

Action Name: SI
SEQ: 1
Start Date: 1995-07-18 04:00:00
Finish Date: 9/19/1995 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905129
EPA ID: CAD000568865
Site Name: GARDENA VALLEY DUMP NO 4
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2013-07-01 05:00:00
Finish Date: 10/1/2014 5:00:00 AM
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905129
EPA ID: CAD000568865
Site Name: GARDENA VALLEY DUMP NO 4
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1995-09-19 04:00:00
Finish Date: 9/19/1995 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905129
EPA ID: CAD000568865
Site Name: GARDENA VALLEY DUMP NO 4
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-08-12 04:00:00
Finish Date: 8/12/1994 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Region: 09
Site ID: 0901486
EPA ID: CAD062080064
Site Name: GOLDEN EAGLE REFINING CO INC
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: Not reported
Finish Date: 6/6/2001 4:00:00 AM
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0901486
EPA ID: CAD062080064
Site Name: GOLDEN EAGLE REFINING CO INC
NPL: N
FF: N
OU: 00
Action Code: VA
Action Name: OTHR CLEANUP
SEQ: 1
Start Date: 2000-10-01 04:00:00
Finish Date: Not reported
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0901486
EPA ID: CAD062080064
Site Name: GOLDEN EAGLE REFINING CO INC
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 2
Start Date: Not reported
Finish Date: 6/13/2006 4:00:00 AM
Qual: L
Current Action Lead: St Perf

Region: 09
Site ID: 0901486
EPA ID: CAD062080064
Site Name: GOLDEN EAGLE REFINING CO INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-09-01 05:00:00
Finish Date: 9/1/1985 5:00:00 AM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0901486
EPA ID: CAD062080064
Site Name: GOLDEN EAGLE REFINING CO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1985-08-01 05:00:00
Finish Date: 10/1/1986 4:00:00 AM
Qual: L
Current Action Lead: St Perf

RCRA-LQG:

Date Form Received by Agency: 2007-06-06 00:00:00.0
Handler Name: FORMER GOLDEN EAGLE REFINERY
Handler Address: 21000 S FIGUEROA ST CONTIGUOUS
Handler City,State,Zip: CARSON, CA 90745
EPA ID: CAD062080064
Contact Name: JOHN R JOHNSEN
Contact Address: 1400 N HARBOR BLVD
Contact City,State,Zip: FULLERTON, CA 92835
Contact Telephone: 818-502-9470 x18
Contact Fax: Not reported
Contact Email: JOHN.JOHNSEN@ARCADIS-US.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 4
Mailing Address: 1400 N HARBOR BLVD
Mailing City,State,Zip: FULLERTON, CA 92835
Owner Name: K MART CORP
Owner Type: Private
Operator Name: ENI 0118 GAS INC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

| | |
|--|-----------------------|
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRC Permit Baseline: | Not on the Baseline |
| 2018 GPRC Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRC Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSD Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2007-09-05 17:46:59.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Hazardous Waste Summary:

| | |
|--------------------|-----------------|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| | |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| | |
| Waste Code: | D018 |
| Waste Description: | BENZENE |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: GOLDEN EAGLE REFINING COMPANY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 4886
Owner/Operator City,State,Zip: CARSON, CA 90749
Owner/Operator Telephone: 213-320-6860
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GOLDEN EAGLE REFINING COMPANY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 4886
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 213-320-6860
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: K MART CORP
Legal Status: Private
Date Became Current: 1998-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 500 CARSON TOWN CENTER NORTH
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ENI 0118 GAS INC
Legal Status: Private
Date Became Current: 2001-05-17 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GOLDEN EAGLE REFINING COMPANY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 4886
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 213-320-6860

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-09-01 00:00:00.0
Handler Name: GOLDEN EAGLE REFINING COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-01 00:00:00.0
Handler Name: GOLDEN EAGLE REFINING COMPANY INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-18 00:00:00.0
Handler Name: GOLDEN EAGLE REFINING COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-06-06 00:00:00.0
Handler Name: FORMER GOLDEN EAGLE REFINERY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

List of NAICS Codes and Descriptions:

NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

RCRA-LQG:

Date Form Received by Agency: 2007-06-06 00:00:00.0
Handler Name: FORMER GOLDEN EAGLE REFINERY
Handler Address: 21000 S FIGUEROA ST CONTIGUOUS
Handler City,State,Zip: CARSON, CA 90745
EPA ID: CAD062080064
Contact Name: JOHN R JOHNSEN
Contact Address: 1400 N HARBOR BLVD
Contact City,State,Zip: FULLERTON, CA 92835
Contact Telephone: 818-502-9470 x18
Contact Fax: Not reported
Contact Email: JOHN.JOHNSEN@ARCADIS-US.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 4
Mailing Address: 1400 N HARBOR BLVD
Mailing City,State,Zip: FULLERTON, CA 92835
Owner Name: K MART CORP
Owner Type: Private
Operator Name: ENI 0118 GAS INC
Operator Type: Private
Short-Term Generator Activity: No

Map ID
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MAP FINDINGS

Site

Database(s)

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

| | |
|--|-----------------------|
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2007-09-05 17:46:59.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Map ID
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MAP FINDINGS

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Database(s)

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: GOLDEN EAGLE REFINING COMPANY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 4886
Owner/Operator City,State,Zip: CARSON, CA 90749
Owner/Operator Telephone: 213-320-6860
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GOLDEN EAGLE REFINING COMPANY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 4886
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 213-320-6860
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: K MART CORP
Legal Status: Private
Date Became Current: 1998-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 500 CARSON TOWN CENTER NORTH
Owner/Operator City,State,Zip: CARSON, CA 90745
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ENI 0118 GAS INC
Legal Status: Private
Date Became Current: 2001-05-17 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GOLDEN EAGLE REFINING COMPANY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 4886
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 213-320-6860
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-09-01 00:00:00.0
Handler Name: GOLDEN EAGLE REFINING COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-09-01 00:00:00.0
Handler Name: GOLDEN EAGLE REFINING COMPANY INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-18 00:00:00.0
Handler Name: GOLDEN EAGLE REFINING COMPANY INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-06-06 00:00:00.0
Handler Name: FORMER GOLDEN EAGLE REFINERY

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MAP FINDINGS

Site

Database(s)

EDR ID Number
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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

| | |
|--|--------------------------|
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | CA |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|--------------------|----------------------|
| NAICS Code: | 32411 |
| NAICS Description: | PETROLEUM REFINERIES |

Facility Has Received Notices of Violations:

| | |
|-------------|---------------------|
| Violations: | No Violations Found |
|-------------|---------------------|

Evaluation Action Summary:

| | |
|--------------|----------------------|
| Evaluations: | No Evaluations Found |
|--------------|----------------------|

RESPONSE:

| | |
|-----------------------------|--|
| Name: | GOLDEN EAGLE REFINERY (FORMER) |
| Address: | 21000 SOUTH FIGUEROA STREET |
| City,State,Zip: | CARSON, CA 90745 |
| Facility ID: | 19290167 |
| Site Type: | State Response |
| Site Type Detail: | State Response or NPL |
| Acres: | 76 |
| National Priorities List: | NO |
| Cleanup Oversight Agencies: | SMBRP |
| Lead Agency Description: | DTSC - Site Cleanup Program |
| Project Manager: | Angela Turner |
| Supervisor: | Emad Yemut |
| Division Branch: | Southern California Schools & Brownfields Outreach |
| Site Code: | 400072 |
| Site Mgmt. Req.: | REM, ASP, FOUN, DAY, ELD, HOS, LUC, MON, OIL, NOWN, NDAM, NUSE, NDEV, NSUB, EXT, HS, FOOD, RES |
| Assembly: | 64 |

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MAP FINDINGS

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Senate: 35
Special Program Status: Not reported
Status: Active
Status Date: 10/13/2014
Restricted Use: YES
Funding: Responsible Party
Latitude: 33.84073
Longitude: -118.2828
APN: 7336-002-026, 7336-002-027, 7336-002-029, 7336-002-030, 7336-002-031, 7336-002-032, 7336-002-033, 7336-002-034, 7336-002-037, 7336-002-042, 7336-002-045, 7336-002-060, 7336-002-061, 7336-002-062, 7336-002-063, 7336-002-064, 7336-002-065, 7336-002-067, 7336-002-068, 7336-007-006, 7336-007-007, 7336-007-008, 7336-007-010, 7336-007-011, 7336-007-012, 7336-007-013, 7336-007-015, 7336-007-017, 7336-007-018, 7336-007-019, 7336-007-020, 7336-007-025, 7336002026, 7336002027, 7336002029, 7336002030, 7336002031, 7336002032, 7336002033, 7336002034, 7336002037, 7336002042, 7336002045, 7336002060, 7336002061, 7336002062, 7336002063, 7336002064, 7336002065, 7336002067, 7336002068, 7336007006, 7336007007, 7336007008, 7336007010, 7336007011, 7336007012, 7336007013, 7336007015, 7336007017, 7336007018, 7336007019, 7336007020, 7336007025
Past Use: LANDFILL - DOMESTIC, MANUFACTURING - PETROLEUM, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC : Benzene 1,4-Dioxane Ethylbenzene Toluene Xylenes Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE Vinyl chloride
Confirmed COC: Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE Vinyl chloride Benzene 1,4-Dioxane Ethylbenzene Toluene Xylenes
Potential Description: OTH, OTH
Alias Name: BERADA CORPORATION
Alias Type: Alternate Name
Alias Name: CARSON OIL COMPANY
Alias Type: Alternate Name
Alias Name: CARSON TOWN CENTER
Alias Type: Alternate Name
Alias Name: Carson Town Center
Alias Type: Alternate Name
Alias Name: DOUGLAS OIL REFINERY
Alias Type: Alternate Name
Alias Name: EAGLE REFINING COMPANY
Alias Type: Alternate Name
Alias Name: GARDENA VALLEY DUMP #5
Alias Type: Alternate Name
Alias Name: SUNSET OIL COMPANY
Alias Type: Alternate Name
Alias Name: 7336-002-026
Alias Type: APN
Alias Name: 7336-002-027
Alias Type: APN
Alias Name: 7336-002-029
Alias Type: APN
Alias Name: 7336-002-030
Alias Type: APN
Alias Name: 7336-002-031
Alias Type: APN
Alias Name: 7336-002-032
Alias Type: APN
Alias Name: 7336-002-033

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

| | |
|-------------|--------------|
| Alias Type: | APN |
| Alias Name: | 7336-002-034 |
| Alias Type: | APN |
| Alias Name: | 7336-002-037 |
| Alias Type: | APN |
| Alias Name: | 7336-002-042 |
| Alias Type: | APN |
| Alias Name: | 7336-002-045 |
| Alias Type: | APN |
| Alias Name: | 7336-002-060 |
| Alias Type: | APN |
| Alias Name: | 7336-002-061 |
| Alias Type: | APN |
| Alias Name: | 7336-002-062 |
| Alias Type: | APN |
| Alias Name: | 7336-002-063 |
| Alias Type: | APN |
| Alias Name: | 7336-002-064 |
| Alias Type: | APN |
| Alias Name: | 7336-002-065 |
| Alias Type: | APN |
| Alias Name: | 7336-002-067 |
| Alias Type: | APN |
| Alias Name: | 7336-002-068 |
| Alias Type: | APN |
| Alias Name: | 7336-007-006 |
| Alias Type: | APN |
| Alias Name: | 7336-007-007 |
| Alias Type: | APN |
| Alias Name: | 7336-007-008 |
| Alias Type: | APN |
| Alias Name: | 7336-007-010 |
| Alias Type: | APN |
| Alias Name: | 7336-007-011 |
| Alias Type: | APN |
| Alias Name: | 7336-007-012 |
| Alias Type: | APN |
| Alias Name: | 7336-007-013 |
| Alias Type: | APN |
| Alias Name: | 7336-007-015 |
| Alias Type: | APN |
| Alias Name: | 7336-007-017 |
| Alias Type: | APN |
| Alias Name: | 7336-007-018 |
| Alias Type: | APN |
| Alias Name: | 7336-007-019 |
| Alias Type: | APN |
| Alias Name: | 7336-007-020 |
| Alias Type: | APN |
| Alias Name: | 7336-007-025 |
| Alias Type: | APN |
| Alias Name: | 7336002026 |
| Alias Type: | APN |
| Alias Name: | 7336002027 |
| Alias Type: | APN |
| Alias Name: | 7336002029 |
| Alias Type: | APN |

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MAP FINDINGS

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

| | |
|-------------|------------|
| Alias Name: | 7336002030 |
| Alias Type: | APN |
| Alias Name: | 7336002031 |
| Alias Type: | APN |
| Alias Name: | 7336002032 |
| Alias Type: | APN |
| Alias Name: | 7336002033 |
| Alias Type: | APN |
| Alias Name: | 7336002034 |
| Alias Type: | APN |
| Alias Name: | 7336002037 |
| Alias Type: | APN |
| Alias Name: | 7336002042 |
| Alias Type: | APN |
| Alias Name: | 7336002045 |
| Alias Type: | APN |
| Alias Name: | 7336002060 |
| Alias Type: | APN |
| Alias Name: | 7336002061 |
| Alias Type: | APN |
| Alias Name: | 7336002062 |
| Alias Type: | APN |
| Alias Name: | 7336002063 |
| Alias Type: | APN |
| Alias Name: | 7336002064 |
| Alias Type: | APN |
| Alias Name: | 7336002065 |
| Alias Type: | APN |
| Alias Name: | 7336002067 |
| Alias Type: | APN |
| Alias Name: | 7336002068 |
| Alias Type: | APN |
| Alias Name: | 7336007006 |
| Alias Type: | APN |
| Alias Name: | 7336007007 |
| Alias Type: | APN |
| Alias Name: | 7336007008 |
| Alias Type: | APN |
| Alias Name: | 7336007010 |
| Alias Type: | APN |
| Alias Name: | 7336007011 |
| Alias Type: | APN |
| Alias Name: | 7336007012 |
| Alias Type: | APN |
| Alias Name: | 7336007013 |
| Alias Type: | APN |
| Alias Name: | 7336007015 |
| Alias Type: | APN |
| Alias Name: | 7336007017 |
| Alias Type: | APN |
| Alias Name: | 7336007018 |
| Alias Type: | APN |
| Alias Name: | 7336007019 |
| Alias Type: | APN |
| Alias Name: | 7336007020 |
| Alias Type: | APN |
| Alias Name: | 7336007025 |

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MAP FINDINGS

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Alias Type: APN
Alias Name: CAD062080064
Alias Type: EPA Identification Number
Alias Name: 110033619895
Alias Type: EPA (FRS #)
Alias Name: SL184031386
Alias Type: GeoTracker Global ID
Alias Name: P43013
Alias Type: PCode
Alias Name: 400072
Alias Type: Project Code (Site Code)
Alias Name: 19290167
Alias Type: Envirostor ID Number
Alias Name: 19490106
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/08/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/08/2000
Comments: DTSC approves final revised RAP for MNA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 06/30/1995
Comments: In March of 1995, DTSC approved the start-up of the remediation system. The remediation system has been operating as designed with treatment and containment of the hydrocarbon plume. The total hydrocarbon plume, including free product is estimated at 1,637,550 pounds or 250,000 gallons. Testing conducted on May 31, 1995 indicated that 663 pounds of hydrocarbon per day is being extracted and treated. With respect to the lead contaminated soil, 700 tons of lead-contaminated soil, exceeding 258 mg/kg of lead, was chemically fixed using a proprietary technology-MSU process. Approximately 300 gallons of free product has been removed from the northwestern free product area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 03/13/1995
Comments: DTSC approved the design for an Air Sparging/Vapor Extraction System for the Former Golden Eagle Refinery Site. The System covers approximately 80% of the 76 acre site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/31/1994
Comments: Not reported

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/29/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/31/1985
Comments: Removal Action: Soil excavation and biodegradation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 10/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/22/2008
Comments: The monitoring report was approved as the outstanding issues do not require any revisions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/20/2008
Comments: Work Plan was approved with some minor comments. Consultant instructed to send revised copy for our records.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/26/2008
Comments: The comments still pending do not require revision of this document. Therefore, it has been approved and accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/2006
Comments: Site screening approved by EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2008
Comments: Approved.

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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/23/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/18/2009
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/27/2009
Comments: Accepted based on the submittal of a work plan for additional work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/17/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 02/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report

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Database(s)

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EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 10/02/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/26/2011
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/12/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/31/1994
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 11/08/2011
Comments: Completed.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/08/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/08/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/17/2012
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/09/2012
Comments: Conditionally approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/22/2012
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/04/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 01/07/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/28/2013
Comments: Completed

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: Treatability Study Report
Completed Date: 01/03/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 01/07/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 01/07/2013
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 01/23/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 05/10/2013
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 03/29/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2013
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/05/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization 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: 10/16/2013
Comments: Conditional Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2013
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/17/2014
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/23/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2014
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/02/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2014
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 09/22/2014
Comments: Completed. RP to draft a focused FS to determine a new active remedy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/17/2015
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 09/09/2014
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2014
Comments: Completed review. No letter is required as this is an AQMD required report.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2015
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2015
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2016
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/22/2016
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2016
Comments: Completed.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2016
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/05/2016
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/09/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2015
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/04/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2015
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: 03/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2016
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/14/2016
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/04/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/17/2017
Comments: Approved and distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 07/17/2017
Comments: Approved, published, and distributed.

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2018
Comments: Comments implemented, final version approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/21/2018
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 07/10/2018
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/07/2019
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
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: 05/17/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2017
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/12/2017
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/06/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 09/15/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2019
Comments: No exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/20/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/03/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Manual
Completed Date: 08/12/2019
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2019
Comments: No exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2019
Comments: No exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 09/16/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: NO EXCEPTIONS NOTED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2019
Comments: no exceptions noted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2020
Comments: .

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/28/2017
Comments: Conditionally approved.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/04/2017
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/16/2017
Comments: Completed.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 02/01/2018
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/11/2018
Comments: Accepted with no changes required

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2018
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/16/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/16/2018
Comments: No exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2018
Comments: No exceptions noted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 12/08/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/25/1995
Comments: Former oil refinery. Contaminants include petroleum hydro- carbons and Pb.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 07/06/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/18/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/31/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/25/1980
Comments: Facility identified. Questionnaire received from Golden. Records Search: 03/04/47 County Engr field inspection found no problems. 01/01/49 County Engr bi-annual inspections (to 1967). 09/30/49 County Engr inspection found brine ponds overflowing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 07/06/1995
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 07/18/2011
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Cost estimate letter sent to RP via regular mail on 09/08/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/19/2013
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/05/2017
Comments: Not reported

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: De-Certification
Completed Date: 10/14/2014
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/03/2014
Comments: Sent

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.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/17/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/14/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 07/09/2018
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/08/2020
Comments: no exceptions noted

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: Correspondence
Completed Date: 09/08/2017
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/28/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/17/2018
Comments: FY 1819 Estimate: \$114,370

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/14/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate Letter completed.

Future Area Name: Operable Unit 1 (OU1)
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Future Document Type: 5 Year Review Reports
Future Due Date: 2024
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:

Name: GOLDEN EAGLE REFINERY (FORMER)
Address: 21000 SOUTH FIGUEROA STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 19290167
Status: Active
Status Date: 10/13/2014
Site Code: 400072
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 76
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: REM, ASP, FOUN, DAY, ELD, HOS, LUC, MON, OIL, NOWN, NDAM, NUSE, NDEV, NSUB, EXT, HS, FOOD, RES
Funding: Responsible Party
Latitude: 33.84073
Longitude: -118.2828
APN: 7336-002-026, 7336-002-027, 7336-002-029, 7336-002-030, 7336-002-031, 7336-002-032, 7336-002-033, 7336-002-034, 7336-002-037, 7336-002-042, 7336-002-045, 7336-002-060, 7336-002-061, 7336-002-062, 7336-002-063, 7336-002-064, 7336-002-065, 7336-002-067, 7336-002-068, 7336-007-006, 7336-007-007, 7336-007-008, 7336-007-010, 7336-007-011, 7336-007-012, 7336-007-013, 7336-007-015, 7336-007-017, 7336-007-018, 7336-007-019, 7336-007-020, 7336-007-025, 7336002026, 7336002027, 7336002029, 7336002030, 7336002031, 7336002032, 7336002033, 7336002034, 7336002037, 7336002042, 7336002045, 7336002060, 7336002061, 7336002062, 7336002063, 7336002064, 7336002065, 7336002067, 7336002068, 7336007006, 7336007007, 7336007008, 7336007010, 7336007011, 7336007012, 7336007013, 7336007015, 7336007017, 7336007018, 7336007019, 7336007020, 7336007025
Past Use: LANDFILL - DOMESTIC, MANUFACTURING - PETROLEUM, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC: Benzene 1,4-Dioxane Ethylbenzene Toluene Xylenes Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE Vinyl chloride
Confirmed COC: Tetrachloroethylene (PCE TPH-gas Trichloroethylene (TCE Vinyl chloride Benzene 1,4-Dioxane Ethylbenzene Toluene Xylenes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Potential Description: OTH, OTH
Alias Name: BERADA CORPORATION
Alias Type: Alternate Name
Alias Name: CARSON OIL COMPANY
Alias Type: Alternate Name
Alias Name: CARSON TOWN CENTER
Alias Type: Alternate Name
Alias Name: Carson Town Center
Alias Type: Alternate Name
Alias Name: DOUGLAS OIL REFINERY
Alias Type: Alternate Name
Alias Name: EAGLE REFINING COMPANY
Alias Type: Alternate Name
Alias Name: GARDENA VALLEY DUMP #5
Alias Type: Alternate Name
Alias Name: SUNSET OIL COMPANY
Alias Type: Alternate Name
Alias Name: 7336-002-026
Alias Type: APN
Alias Name: 7336-002-027
Alias Type: APN
Alias Name: 7336-002-029
Alias Type: APN
Alias Name: 7336-002-030
Alias Type: APN
Alias Name: 7336-002-031
Alias Type: APN
Alias Name: 7336-002-032
Alias Type: APN
Alias Name: 7336-002-033
Alias Type: APN
Alias Name: 7336-002-034
Alias Type: APN
Alias Name: 7336-002-037
Alias Type: APN
Alias Name: 7336-002-042
Alias Type: APN
Alias Name: 7336-002-045
Alias Type: APN
Alias Name: 7336-002-060
Alias Type: APN
Alias Name: 7336-002-061
Alias Type: APN
Alias Name: 7336-002-062
Alias Type: APN
Alias Name: 7336-002-063
Alias Type: APN
Alias Name: 7336-002-064
Alias Type: APN
Alias Name: 7336-002-065
Alias Type: APN
Alias Name: 7336-002-067
Alias Type: APN
Alias Name: 7336-002-068
Alias Type: APN
Alias Name: 7336-007-006
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

| | |
|-------------|--------------|
| Alias Name: | 7336-007-007 |
| Alias Type: | APN |
| Alias Name: | 7336-007-008 |
| Alias Type: | APN |
| Alias Name: | 7336-007-010 |
| Alias Type: | APN |
| Alias Name: | 7336-007-011 |
| Alias Type: | APN |
| Alias Name: | 7336-007-012 |
| Alias Type: | APN |
| Alias Name: | 7336-007-013 |
| Alias Type: | APN |
| Alias Name: | 7336-007-015 |
| Alias Type: | APN |
| Alias Name: | 7336-007-017 |
| Alias Type: | APN |
| Alias Name: | 7336-007-018 |
| Alias Type: | APN |
| Alias Name: | 7336-007-019 |
| Alias Type: | APN |
| Alias Name: | 7336-007-020 |
| Alias Type: | APN |
| Alias Name: | 7336-007-025 |
| Alias Type: | APN |
| Alias Name: | 7336002026 |
| Alias Type: | APN |
| Alias Name: | 7336002027 |
| Alias Type: | APN |
| Alias Name: | 7336002029 |
| Alias Type: | APN |
| Alias Name: | 7336002030 |
| Alias Type: | APN |
| Alias Name: | 7336002031 |
| Alias Type: | APN |
| Alias Name: | 7336002032 |
| Alias Type: | APN |
| Alias Name: | 7336002033 |
| Alias Type: | APN |
| Alias Name: | 7336002034 |
| Alias Type: | APN |
| Alias Name: | 7336002037 |
| Alias Type: | APN |
| Alias Name: | 7336002042 |
| Alias Type: | APN |
| Alias Name: | 7336002045 |
| Alias Type: | APN |
| Alias Name: | 7336002060 |
| Alias Type: | APN |
| Alias Name: | 7336002061 |
| Alias Type: | APN |
| Alias Name: | 7336002062 |
| Alias Type: | APN |
| Alias Name: | 7336002063 |
| Alias Type: | APN |
| Alias Name: | 7336002064 |
| Alias Type: | APN |
| Alias Name: | 7336002065 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Alias Type: APN
Alias Name: 7336002067
Alias Type: APN
Alias Name: 7336002068
Alias Type: APN
Alias Name: 7336007006
Alias Type: APN
Alias Name: 7336007007
Alias Type: APN
Alias Name: 7336007008
Alias Type: APN
Alias Name: 7336007010
Alias Type: APN
Alias Name: 7336007011
Alias Type: APN
Alias Name: 7336007012
Alias Type: APN
Alias Name: 7336007013
Alias Type: APN
Alias Name: 7336007015
Alias Type: APN
Alias Name: 7336007017
Alias Type: APN
Alias Name: 7336007018
Alias Type: APN
Alias Name: 7336007019
Alias Type: APN
Alias Name: 7336007020
Alias Type: APN
Alias Name: 7336007025
Alias Type: APN
Alias Name: CAD062080064
Alias Type: EPA Identification Number
Alias Name: 110033619895
Alias Type: EPA (FRS #)
Alias Name: SL184031386
Alias Type: GeoTracker Global ID
Alias Name: P43013
Alias Type: PCode
Alias Name: 400072
Alias Type: Project Code (Site Code)
Alias Name: 19290167
Alias Type: Envirostor ID Number
Alias Name: 19490106
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/08/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/08/2000
Comments: DTSC approves final revised RAP for MNA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 06/30/1995
Comments:

In March of 1995, DTSC approved the start-up of the remediation system. The remediation system has been operating as designed with treatment and containment of the hydrocarbon plume. The total hydrocarbon plume, including free product is estimated at 1,637,550 pounds or 250,000 gallons. Testing conducted on May 31, 1995 indicated that 663 pounds of hydrocarbon per day is being extracted and treated. With respect to the lead contaminated soil, 700 tons of lead-contaminated soil, exceeding 258 mg/kg of lead, was chemically fixed using a proprietary technology-MSU process. Approximately 300 gallons of free product has been removed from the northwestern free product area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 03/13/1995
Comments: DTSC approved the design for an Air Sparging/Vapor Extraction System for the Former Golden Eagle Refinery Site. The System covers approximately 80% of the 76 acre site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/31/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/29/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/31/1985
Comments: Removal Action: Soil excavation and biodegradation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 10/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 02/22/2008
Comments: The monitoring report was approved as the outstanding issues do not require any revisions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/20/2008
Comments: Work Plan was approved with some minor comments. Consultant instructed to send revised copy for our records.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/26/2008
Comments: The comments still pending do not require revision of this document. Therefore, it has been approved and accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/2006
Comments: Site screening approved by EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2008
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/23/2009
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/18/2009
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/27/2009
Comments: Accepted based on the submittal of a work plan for additional work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/17/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 03/29/2010
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 02/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/02/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/26/2011
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 12/12/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/31/1994
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 11/08/2011
Comments: Completed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/08/2011
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/09/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/08/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/17/2012
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/09/2012
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/22/2012
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/04/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 01/07/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/28/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 09/25/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 01/03/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 01/07/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 01/07/2013
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/13/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/23/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 05/10/2013
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 03/29/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/16/2013
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/05/2013
Comments: Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/27/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization 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: 10/16/2013
Comments: Conditional Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2013
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/17/2014
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/23/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/25/2014
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/02/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2014
Comments: Approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 09/22/2014
Comments: Completed. RP to draft a focused FS to determine a new active remedy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/17/2015
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2014
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2014
Comments: Completed review. No letter is required as this is an AQMD required report.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2015
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2015
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2016
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/22/2016
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2016
Comments: Completed.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/24/2016
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/05/2016
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/09/2015
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2015
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/04/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2015
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 03/22/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2016
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/14/2016
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/04/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/17/2017
Comments: Approved and distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/17/2017
Comments: Approved, published, and distributed.

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 05/21/2018
Comments: Comments implemented, final version approved

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/21/2018
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 07/10/2018
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/07/2019
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
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: 05/17/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2017
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2017
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/12/2017
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/06/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2019
Comments: No exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2019
Comments: no exceptions noted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/20/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/09/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/03/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Manual
Completed Date: 08/12/2019
Comments: Not reported

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2019
Comments: No exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2019
Comments: No exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 06/08/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: NO EXCEPTIONS NOTED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2020
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2020
Comments: no exceptions noted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2020
Comments: .

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2020
Comments: no exceptions noted

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Date: 03/28/2017
Comments: Conditionally approved.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/04/2017
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/16/2017
Comments: Completed.

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/01/2018
Comments: Approved

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Completed

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/11/2018
Comments: Accepted with no changes required

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2018
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/16/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2018
Comments: no exceptions noted

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/16/2018
Comments: No exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2018
Comments: No exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 12/08/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/25/1995
Comments: Former oil refinery. Contaminants include petroleum hydro- carbons and Pb.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 07/06/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/18/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/31/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 03/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/25/1980
Comments: Facility identified. Questionnaire received from Golden. Records Search: 03/04/47 County Engr field inspection found no problems. 01/01/49 County Engr bi-annual inspections (to 1967). 09/30/49 County Engr inspection found brine ponds overflowing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 07/06/1995
Comments: Not reported

Completed Area Name: Operable Unit 2 (OU2)
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 07/18/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Cost estimate letter sent to RP via regular mail on 09/08/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/19/2013
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/05/2017
Comments: Not reported

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: De-Certification
Completed Date: 10/14/2014
Comments: Completed

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Document Type: Correspondence
Completed Date: 12/03/2014
Comments: Sent

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.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/17/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/14/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 07/09/2018
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/17/2019
Comments: no exceptions noted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/08/2020
Comments: no exceptions noted

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: Correspondence
Completed Date: 09/08/2017
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Completed Area Name: Operable Unit 1 (OU1)
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/28/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/17/2018
Comments: FY 1819 Estimate: \$114,370

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/14/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2020
Comments: Annual Oversight Cost Estimate Letter completed.

Future Area Name: Operable Unit 1 (OU1)
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: 2024
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

SLIC REG 4:

Region: 4
Facility Status: Remediation
SLIC: 0241
Substance: TPH
Staff: PC

SWEEPS UST:

Name: GOLDEN EAGLE REFINERY
Address: 21000 S FIGUEROA ST
City: CARSON
Status: Active
Comp Number: 70
Number: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

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

DEED:

Name: GOLDEN EAGLE REFINERY (FORMER)
Address: 21000 SOUTH FIGUEROA STREET
City,State,Zip: CARSON, CA 90745
Envirostor ID: 19290167
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

US FIN ASSUR:

Name: FORMER GOLDEN EAGLE REFINERY
Address: 21000 S FIGUEROA ST CONTIGUOUS
City,State,Zip: CARSON, CA 90745
EPA ID: CAD062080064
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 5164062
Face value: 5164062
Effective date: 1995-07-05 00:00:00
Provider: NATIONS BANK
EPA region: 9

CORTESE:

Name: GOLDEN EAGLE REFINERY (FORMER)
Address: 21000 SOUTH FIGUEROA STREET
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: 19290167
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE - LAND USE RESTRICTIONS
Status Date: 10/13/2014
Site Code: 400072
Latitude: 33.840736
Longitude: -118.28280
Owner: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

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

LOS ANGELES CO. HMS:

Name: GOLDEN EAGLE REFINERY
Address: 21000 S FIGUEROA ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: T
Facility Id: 000070-000070
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 000069496
Permit Status: Removed

Name: GOLDEN EAGLE REFINERY
Address: 21000 S FIGUEROA ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: I
Facility Id: 000070-I00070
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000001458
Permit Status: Closed

HWP:

Name: GOLDEN EAGLE REFINING COMPANY INC
Address: 21000 SOUTH FIGUEROA STREET
City,State,Zip: CARSON, CA 907450000
EPA Id: CAD062080064
Cleanup Status: PROTECTIVE FILER
Latitude: 33.84016
Longitude: -118.2835
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 64
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD062080064

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GOLDEN EAGLE REFINERY (Continued)

1000186899

Facility Type: Historical - Non-Operating
Unit Names: OTHRTRT1, TANKSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 06/17/1982

EPA Id: CAD062080064
Facility Type: Historical - Non-Operating
Unit Names: OTHRTRT1, TANKSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 07/06/1982

Alias:
EPA Id: CAD062080064
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 19290167

WDR:
Name: FORMER GOLDEN EAGLE REFINERY (ABOX)
Address: 21000 SOUTH FIGUEROA STREET
City,State,Zip: CARSON, CA 90745
Global ID: WDR100040083
Status: ACTIVE - WDR

CERS:
Name: GOLDEN EAGLE REFINING COMPANY INC
Address: 21000 SOUTH FIGUEROA STREET
City,State,Zip: CARSON, CA 907450000
Site ID: 232343
CERS ID: CAD062080064
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: BURL FREEMAN VICE PRES
Entity Title: Not reported
Affiliation Address: INACTIVE PER VQ01 - BMI
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 907490000
Affiliation Phone: 2133206860

Affiliation Type Desc: Facility Owner
Entity Name: GOLDEN EAGLE REFINING COMPANY
Entity Title: Not reported
Affiliation Address: PO BOX 4886
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 907490000
Affiliation Phone: 2133206860

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

S82 **CARSON TANK FARM**
SSW **21000 FIGUEROA**
1/4-1/2 **CARSON, CA 90745**
0.275 mi.
1451 ft. **Site 2 of 2 in cluster S**

ENF **U002277537**
HIST CORTESE **N/A**
WDR
CIWQS
CERS

Relative:
Higher
Actual:
38 ft.

ENF:
 Name: CARSON TANK FARM
 Address: 21000 FIGUEROA STREET
 City,State,Zip: CARSON, CA 90037
 Region: 4
 Facility Id: 217066
 Agency Name: ENI Oil & Gas Inc
 Place Type: Facility
 Place Subtype: Groundwater Cleanup Site
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 33.96003
 Place Longitude: -118.2827
 SIC Code 1: 2911
 SIC Desc 1: Petroleum Refining
 SIC Code 2: 2999
 SIC Desc 2: Products of Petroleum and Coal, NEC
 SIC Code 3: 3691
 SIC Desc 3: Storage Batteries
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: 0.001
 Threat To Water Quality: 3
 Complexity: B
 Pretreatment: X - Facility is not a POTW
 Facility Waste Type: Contaminated ground water
 Facility Waste Type 2: Not reported
 Facility Waste Type 3: Not reported
 Facility Waste Type 4: Not reported
 Program: LNDISP
 Program Category1: LNDISP
 Program Category2: LNDISP
 # Of Programs: 1
 WDID: 4B192516001
 Reg Measure Id: 133559
 Reg Measure Type: WDR
 Region: 4
 Order #: 87-012
 Npdes# CA#: Not reported
 Major-Minor: Not reported
 Npdes Type: Not reported
 Reclamation: N - No
 Dredge Fill Fee: Not reported
 301H: Not reported
 Application Fee Amt Received: 1000
 Status: Historical

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSON TANK FARM (Continued)

U002277537

Status Date: 10/22/2012
Effective Date: 01/26/1987
Expiration/Review Date: 01/22/2002
Termination Date: 12/07/2011
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 58 - Non15 Based on (TTWQ)/CPLX
Direction/Voice: Passive
Enforcement Id(EID): 220200
Region: 4
Order / Resolution Number: R4-1993-0061
Enforcement Action Type: Clean-up and Abatement Order
Effective Date: 09/27/1993
Adoption/Issuance Date: 09/27/1993
Achieve Date: Not reported
Termination Date: 08/03/2011
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: CAO 93-061 - 4B192516001
Description: ASSURANCE OF REMEDIATION FOR REMAINING CONTAMINATED SOIL & GROUND WATER.
Program: LNDISP
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

edr_fname: CARSON TANK FARM
edr_fadd1: 21000 FIGUEROA
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: WBC&D
Reg Id: 4B192516001

WDR:

Name: CARSON TANK FARM
Address: 21000 FIGUEROA STREET
City,State,Zip: CARSON, CA 90037
Global ID: WDR100001043
Status: HISTORICAL - WDR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSON TANK FARM (Continued)

U002277537

CIWQS:

Name: CARSON TANK FARM
Address: 21000 FIGUEROA STREET
City,State,Zip: CARSON, CA 90037
Agency: ENI Oil & Gas Inc
Agency Address: 1200 Smith Street 1700, Houston, TX 77002
Place/Project Type: Groundwater Cleanup Site
SIC/NAICS: 2911(+)
Region: 4
Program: LNDISP
Regulatory Measure Status: Historical
Regulatory Measure Type: WDR
Order Number: 87-012
WDID: 4B192516001
NPDES Number: Not reported
Adoption Date: 01/26/1987
Effective Date: 01/26/1987
Termination Date: 12/07/2011
Expiration/Review Date: 01/22/2002
Design Flow: 0.001
Major/Minor: Not reported
Complexity: B
TTWQ: 3
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.96003
Longitude: -118.2827

Name: CARSON TANK FARM
Address: 21000 FIGUEROA STREET
City,State,Zip: CARSON, CA 90037
Agency: Lasmo Petroleum Inc.
Agency Address: Not reported
Place/Project Type: Groundwater Cleanup Site
SIC/NAICS: 2911(+)
Region: 4
Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: R4-2002-0125
WDID: 4B196600077
NPDES Number: CAG834001
Adoption Date: Not reported
Effective Date: 03/04/1996
Termination Date: 11/03/2003
Expiration/Review Date: Not reported
Design Flow: 0.0216
Major/Minor: Not reported
Complexity: B
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.96003
Longitude: -118.2827

CERS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSON TANK FARM (Continued)

U002277537

Name: CARSON TANK FARM
Address: 21000 FIGUEROA
City,State,Zip: CARSON, CA 90037
Site ID: 349172
CERS ID: 217066
CERS Description: Waste Discharge Requirements

Violations:

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 07-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 1Q01 DMR: TPH was not reported quarterly.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1Q03 effluent violation: Lead monthly average.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1Q03 reporting deficiency: TPH, BTXE, MTBE, DIPE, TBA, ethylene dibromide, naphthalene & lead not reported monthly for February.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 03-05-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 3Q03 DMR: pH not reported quarterly.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 4Q02 DMR received 70 days late.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSON TANK FARM (Continued)

U002277537

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 07-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 4Q01 DMR: TPH was not reported quarterly and no perjury statement..
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 07-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 3Q01 DMR: TPH was not reported quarterly.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3Q02 effluent violation (9/18/02): Ethylene dibromide daily maximum.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 07-22-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2Q03 DMR: pH not reported quarterly. TPH not reported for April, May, June. BTXE, EDB, lead, MTBE, naphthalene, DIPE, TBA not reported for April, May.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 07-22-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2Q03 DMR: MDL for DIPE & TBA for June > permit limits.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARSON TANK FARM (Continued)

U002277537

Violation Description: Not reported
Violation Notes: 1Q03 effluent violation: Lead daily maximum.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3Q02 DMR received 146 days late.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 03-05-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3Q03 effluent violation (9/11/03): Turbidity.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 06-13-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 4Q02 DMR: TPH, benzene, toluene, ethylbenzene, xylene, ethylene dibromide, lead, MTBE, naphthalene, DIPE, TBA not reported for October & November 2002. pH not reported for December 2002.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 03-05-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3Q03 effluent violation (9/11/03): Benzene.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Site ID: 349172
Site Name: Carson Tank Farm
Violation Date: 07-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Deficient 2Q01 DMR: TPH was not reported quarterly.
Violation Division: Water Boards
Violation Program: NPDNONMUNI
Violation Source: CIWQS

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CARSON TANK FARM (Continued)

U002277537

Site ID: 349172
 Site Name: Carson Tank Farm
 Violation Date: 07-09-2002
 Citation: California Water Code
 Violation Description: Not reported
 Violation Notes: Deficient 1Q02 DMR: TPH was not reported quarterly.
 Violation Division: Water Boards
 Violation Program: NPDNONMUNI
 Violation Source: CIWQS

Site ID: 349172
 Site Name: Carson Tank Farm
 Violation Date: 06-13-2003
 Citation: California Water Code
 Violation Description: Not reported
 Violation Notes: 1Q03 reporting deficiency: TPH, BTXE, MTBE, DIPE, TBA, ethylene dibromide, naphthalene & lead not reported monthly for January.
 Violation Division: Water Boards
 Violation Program: NPDNONMUNI
 Violation Source: CIWQS

Site ID: 349172
 Site Name: Carson Tank Farm
 Violation Date: 06-13-2003
 Citation: California Water Code
 Violation Description: Not reported
 Violation Notes: 1Q03 reporting deficiency: pH not reported quarterly.
 Violation Division: Water Boards
 Violation Program: NPDNONMUNI
 Violation Source: CIWQS

Enforcement Action:
 Site ID: 349172
 Site Name: Carson Tank Farm
 Site Address: 21000 FIGUEROA
 Site City: CARSON
 Site Zip: 90037
 Enf Action Date: 09-27-1993
 Enf Action Type: Clean-up and Abatement Order
 Enf Action Description: Clean-up and Abatement Order
 Enf Action Notes: Not reported
 Enf Action Division: Water Boards
 Enf Action Program: UNSPEC
 Enf Action Source: CIWQS

T83
NNE
1/4-1/2
0.277 mi.
1462 ft.

SOUTHWEST CONSERVATION INCORPO
20201 SOUTH MAIN
CARSON, CA

WMUDS/SWAT **S104156303**
N/A

Site 1 of 3 in cluster T

Relative: WMUDS/SWAT:
Lower Edit Date: Not reported
 Complexity: Not reported
Actual: Primary Waste: Not reported
21 ft. Primary Waste Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHWEST CONSERVATION INCORPO (Continued)

S104156303

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: 64-116
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: SOUTHWEST CONSERVATION INC.
Agency Department: Not reported
Agency Address: 20331 SOUTH MAIN STREET
Agency City,St,Zip: CARSON 90745
Agency Contact: Not reported
Agency Telephone: Not reported
Land Owner Name: SYUFY ENTERPRISES
Land Owner Address: 150 GOLDEN GATE
Land Owner City,St,Zip: SAN FRANCISCO, CA 94102
Land Owner Contact: ERNIE FURMAN
Land Owner Phone: 4158858400
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: SOUTHWEST CONSERVATION INC.
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: WP
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 190003NUR
Solid Waste Information ID: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

84
WSW
1/4-1/2
0.294 mi.
1553 ft.

MOBIL #18-MAP
20802 VERMONT AVE S
TORRANCE, CA 90502

LUST **S104406636**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Lower
Actual:
24 ft.

Relative: LUST REG 4:
Lower Region: 4
 Regional Board: 04
Actual: County: Los Angeles
 Facility Id: R-05290
 Status: Remedial action (cleanup) Underway
 Substance: Gasoline
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Groundwater
 Abatement Method Used at the Site: Not reported
 Global ID: T0603704674
 W Global ID: Not reported
 Staff: AT
 Local Agency: 19038
 Cross Street: Not reported
 Enforcement Type: DLSEL
 Date Leak Discovered: 12/15/1993
 Date Leak First Reported: 12/15/1993
 Date Leak Record Entered: 3/22/1994
 Date Confirmation Began: 1/31/1996
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: 10/11/2002
 Date the Case was Closed: Not reported
 How Leak Discovered: OM
 How Leak Stopped: Not reported
 Cause of Leak: UNK
 Leak Source: Not reported
 Operator: Not reported
 Water System: Not reported
 Well Name: Not reported
 Approx. Dist To Production Well (ft): 7699.807518183900490488658589
 Source of Cleanup Funding: Not reported
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 4/11/1997
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: 2/11/1998
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: 12/6/1999
 Historical Max MTBE Date: 1/1/1965
 Hist Max MTBE Conc in Groundwater: 37000
 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: JOHN MEDRANO
 RP Address: 3700 W. 190TH ST., TPT2
 Program: LUST
 Lat/Long: 33.8420556 / -1
 Local Agency Staff: RVB

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 1/31/01 SITE ASSESSMENT RPT; 2/2/01 JAN 2001 FREE PRODUCT RECOVERY RPT; 4/5/01 1ST QTR GW MON RPT 2001

LUST:

Name: MOBIL #18-MAP
Address: 20802 VERMONT AVE S
City,State,Zip: TORRANCE, CA 90502
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704674
Global Id: T0603704674
Latitude: 33.8420556
Longitude: -118.2898317
Status: Completed - Case Closed
Status Date: 01/09/2018
Case Worker: AT
RB Case Number: R-05290
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: T0603704674
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603704674
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

LUST:

Global Id: T0603704674
Action Type: ENFORCEMENT
Date: 01/09/2018
Action: Closure/No Further Action Letter

Global Id: T0603704674
Action Type: Other
Date: 12/15/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Action: Leak Reported

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2005
Action: Remedial Progress Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/26/2012
Action: Well Installation Workplan

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: ENFORCEMENT
Date: 04/14/2009
Action: Staff Letter

Global Id: T0603704674
Action Type: ENFORCEMENT
Date: 06/30/2017
Action: Notification - Preclosure

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: ENFORCEMENT
Date: 04/20/2009
Action: Waste Discharge Requirements

Global Id: T0603704674
Action Type: ENFORCEMENT
Date: 09/15/2014
Action: Staff Letter

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2013
Action: Well Installation Report

Global Id: T0603704674
Action Type: ENFORCEMENT
Date: 06/23/2000
Action: Staff Letter

Global Id: T0603704674
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Date: 06/15/2009
Action: Staff Letter

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 12/20/2013
Action: Pilot Study/ Treatability Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2015
Action: Remedial Progress Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2009
Action: Remedial Progress Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2009
Action: Well Installation Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/15/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0603704674
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

| | |
|--------------|---|
| Date: | 11/15/2016 |
| Action: | Remedial Progress Report |
| Global Id: | T0603704674 |
| Action Type: | Other |
| Date: | 12/15/1993 |
| Action: | Leak Discovery |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 07/15/2003 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 07/15/2004 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 01/15/2004 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 01/15/2011 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 01/15/2011 |
| Action: | Remedial Progress Report |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 10/15/2016 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 01/15/2017 |
| Action: | Monitoring Report - Quarterly |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 07/15/2016 |
| Action: | Monitoring Report - Semi-Annually |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 12/05/2012 |
| Action: | Well Installation Workplan - Regulator Responded |
| Global Id: | T0603704674 |
| Action Type: | RESPONSE |
| Date: | 02/24/2014 |
| Action: | Corrective Action Plan / Remedial Action Plan - Regulator Responded |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 08/12/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603704674
Action Type: RESPONSE
Date: 06/01/2005
Action: Soil and Water Investigation Report

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704674
Action Type: RESPONSE
Date: 04/12/2017
Action: Request for Closure - Regulator Responded

Global Id: T0603704674
Action Type: REMEDIATION
Date: 02/11/1998
Action: Free Product Removal

Global Id: T0603704674
Action Type: REMEDIATION
Date: 09/16/2013
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603704674
Action Type: REMEDIATION
Date: 12/01/2010
Action: Dual Phase Extraction

Global Id: T0603704674
Action Type: REMEDIATION
Date: 06/01/2005
Action: Soil Vapor Extraction (SVE)

Global Id: T0603704674
Action Type: REMEDIATION
Date: 04/01/2009
Action: Excavation

Global Id: T0603704674
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Date: 01/15/2005
Action: Monitoring Report - Quarterly

LUST:

Global Id: T0603704674
Status: Open - Case Begin Date
Status Date: 12/15/1993

Global Id: T0603704674
Status: Open - Site Assessment
Status Date: 01/31/1996

Global Id: T0603704674
Status: Open - Site Assessment
Status Date: 04/11/1997

Global Id: T0603704674
Status: Open - Remediation
Status Date: 02/11/1998

Global Id: T0603704674
Status: Open - Site Assessment
Status Date: 08/12/2004

Global Id: T0603704674
Status: Open - Remediation
Status Date: 10/14/2005

Global Id: T0603704674
Status: Open - Eligible for Closure
Status Date: 05/02/2017

Global Id: T0603704674
Status: Completed - Case Closed
Status Date: 01/09/2018

CORTESE:

Name: MOBIL #18-MAP
Address: 20802 VERMONT AVE S
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704674
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-MAP (Continued)

S104406636

Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: MOBIL #18-MAP
edr_fadd1: 20802 VERMONT
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-05290

CERS:

Name: MOBIL #18-MAP
Address: 20802 VERMONT AVE S
City,State,Zip: TORRANCE, CA 90502
Site ID: 204819
CERS ID: T0603704674
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766708

Affiliation Type Desc: Local Agency Caseworker
Entity Name: RICHARD V. BONGARD - TORRANCE, CITY OF
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 3106182973

T85 20151 MAIN ST.
NNE 20151 MAIN ST.
1/4-1/2 CARSON, CA 90745
0.308 mi.
1628 ft. Site 2 of 3 in cluster T

US BROWNFIELDS 1023618656
FINDS N/A

Relative: US BROWNFIELDS:
Lower Name: 20151 MAIN ST.
Actual: Address: 20151 MAIN ST.
20 ft. City,State,Zip: CARSON, CA -
Recipient Name: Carson, City of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20151 MAIN ST. (Continued)

1023618656

| | |
|-----------------------------------|---|
| Grant Type: | Assessment |
| Property Number: | - |
| Parcel size: | - |
| Latitude: | 33.84875 |
| Longitude: | -118.280453 |
| HCM Label: | Address Matching-House Number |
| Map Scale: | 100000 |
| Point of Reference: | Entrance Point of a Facility or Station |
| Highlights: | - |
| Datum: | North American Datum of 1983 |
| Acres Property ID: | 15051 |
| IC Data Access: | - |
| Start Date: | - |
| Redev Completion Date: | - |
| Completed Date: | - |
| Acres Cleaned Up: | - |
| Cleanup Funding: | - |
| Cleanup Funding Source: | - |
| Assessment Funding: | - |
| Assessment Funding Source: | - |
| Redevelopment Funding: | - |
| Redev. Funding Source: | - |
| Redev. Funding Entity Name: | - |
| Redevelopment Start Date: | - |
| Assessment Funding Entity: | - |
| Cleanup Funding Entity: | - |
| Grant Type: | - |
| Accomplishment Type: | - |
| Accomplishment Count: | - |
| Cooperative Agreement Number: | 98944601 |
| Start Date: | - |
| Ownership Entity: | - |
| Completion Date: | - |
| Current Owner: | - |
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |
| IC Category Proprietary Controls: | - |
| IC Cat. Info. Devices: | - |
| IC Cat. Gov. Controls: | - |
| IC Cat. Enforcement Permit Tools: | - |
| IC in place date: | - |
| IC in place: | U |
| State/tribal program date: | - |
| State/tribal program ID: | - |
| State/tribal NFA date: | - |
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controlled substance found: | - |
| Controlled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20151 MAIN ST. (Continued)

1023618656

| | |
|-----------------------------------|--------------|
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | Not reported |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |
| Other contaminants found: | - |
| Other contams found description: | - |
| PAHs found: | - |
| PAHs cleaned up: | - |
| PCBs found: | - |
| PCBs cleaned up: | - |
| Petro products found: | - |
| Petro products cleaned: | - |
| Sediments found: | - |
| Sediments cleaned: | - |
| Soil affected: | - |
| Soil cleaned up: | - |
| Surface water cleaned: | - |
| VOCs found: | - |
| VOCs cleaned: | - |
| Cleanup other description: | - |
| Num. of cleanup and re-dev. jobs: | - |
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

20151 MAIN ST. (Continued)

1023618656

Unknown contaminant found: -
 Future Use: Multistory -
 Media affected Bluiding Material: -
 Media affected indoor air: -
 Building material media cleaned up: -
 Indoor air media cleaned up: -
 Unknown media cleaned up: -
 Past Use: Multistory Not reported
 Property Description: -
 Below Poverty Number: 24
 Below Poverty Percent: 3.52
 Meidan Income: 1750
 Meidan Income Number: 255
 Meidan Income Percent: 37.39
 Vacant Housing Number: 11
 Vacant Housing Percent: 5.28
 Unemployed Number: 59
 Unemployed Percent: 8.65

FINDS:

Registry ID: 110060749454

Click Here:

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.

T86
NNE
1/4-1/2
0.308 mi.
1628 ft.

CITY OF CARSON - SYUFY ENTERPRISES
20151 MAIN
CARSON, CA 90745
Site 3 of 3 in cluster T

SWF/LF
CPS-SLIC
CERS
LOS ANGELES CO LF METHANE
S106387041
N/A

Relative:
Lower
Actual:
20 ft.

SWF/LF (SWIS):
 Name: SOUTHWEST CONSERVATION DISTRICT LANDFILL
 Address: 20151 MAIN ST.
 City,State,Zip: CARSON, CA 90745
 Region: STATE
 Facility ID: 19-AQ-0009
 SWIS Number: 19-AQ-0009
 Point of Contact: Dawn Liang
 Is Archived: No
 Is Closed Illegal Abandoned: Yes
 Is Site Inert Debris Engineered Fill: No
 Is Financial Assurances Responsible: No
 Absorbed On: Not reported
 Operational Status: Closed
 Absorbed By: Not reported
 Closed Illegal Abandoned Category: B1
 EPA Federal Registry ID: Not reported
 ARB District: South Coast
 SWRCB Region: Los Angeles
 Local Government: Carson
 Reporting Agency Legal Name: County of Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - SYUFY ENTERPRISES (Continued)

S106387041

| | |
|---------------------------------------|--|
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Pre-regulation |
| Activity: | |
| SWIS Number: | 19-AQ-0009 |
| Site Name: | Southwest Conservation District Landfill |
| Activity: | Solid Waste Disposal Site |
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | Not reported |
| Cease Operation Type: | Not reported |
| Inspection Frequency: | Quarterly |
| Throughput: | Not reported |
| Throughput Units: | Not reported |
| Remaining Capacity: | Not reported |
| Remaining Capacity Date: | Not reported |
| Capacity: | Not reported |
| Capacity Units: | Not reported |
| Total Acreage: | 0 |
| Disposal Acreage: | 0 |
| Permitted Elevation: | Not reported |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | Not reported |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Pre-regulation |
| Site Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | B1 |
| EPA Federal Registry ID: | Not reported |
| County: | Los Angeles |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Street Address: | 20151 Main St. |
| City: | Carson |
| State: | CA |
| ZIP Code: | 90745 |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Owner: | |
| SWIS Number: | 19-AQ-0009 |
| Owner: | Syufy Enterprises |
| Owner Address: | 150 Pelican Way |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - SYUFY ENTERPRISES (Continued)

S106387041

Owner City: San Rafael
Owner State: CA
Owner Zip: 94901
Site Name: Southwest Conservation District Landfill
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Pre-regulation
Latitude: 33.8487
Longitude: -118.2803
Is Archived: No
Started On: 2/26/1998
Contact Name: Tom Stoller
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: Not reported

LOS ANGELES CO. LF:

Name: SOUTHWEST CONSERVATION DISTRICT LANDFILL
Address: 20151 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Site ID: 2028
Alt. Address: 20331 South Main Street, Carson, CA; 20751 South Main Street, Carson, CA
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Designated Waste Landfill
Site SWIS Number: 19-AQ-0009
Beginning Operation Date: Not reported
Ending Operation Date: 1968
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 50
Permitted Capacity: Not reported
Present Use: Industrial; Parking Lot; Vacant
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Commercial; Inert; Liquid; Residential
Hours of Operation: Not reported
Disposal Area (Acre): 0.69999999

Detail As Of 01/2014:

Operator Name: Southwest Conservation, Inc.
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Syufy Enterprises
Owner Address: 150 Pelican Way
Owner City/State/Zip: San Rafael, CA 94102
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

SLIC REG 4:

Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - SYUFY ENTERPRISES (Continued)

S106387041

Facility Status: Site Assessment
SLIC: 0496F4
Substance: Not reported
Staff: SSH

CPS-SLIC:

Name: CITY OF CARSON - SYUFY ENTERPRISES
Address: 20151 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43317315
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.846265
Longitude: -118.279236
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496F4
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: SOUTHWEST CONSERVATION DISTRICT LANDFILL
Address: 20151 MAIN ST.
City,State,Zip: CARSON, CA
Site ID: 512032
CERS ID: 19-AQ-0009
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: SYUFY ENTERPRISES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: San Rafeal
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94102
Affiliation Phone: Not reported

Name: CITY OF CARSON - SYUFY ENTERPRISES
Address: 20151 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 252297
CERS ID: SLT43317315
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY OF CARSON - SYUFY ENTERPRISES (Continued)

S106387041

Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4th Street, Suite
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: 2135766725

LOS ANGELES CO LF METHANE:

Name: SOUTHWEST CONSERVATION DISTRICT LANDFILL
 Address: 20151 SOUTH MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Site Number: 2028
 Status: Closed
 Description: Designated Waste Landfill
 Operator Name: Southwest Conservation, Inc.
 Operator Telephone: Not reported

U87
North
1/4-1/2
0.399 mi.
2106 ft.

WASTE MANAGEMENT, INC.
321 FRANCISCO ST. W.
CARSON, CA 90745

LUST S106116153
Cortese N/A
CERS

Site 1 of 3 in cluster U

Relative:
Lower
Actual:
24 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: R-29301
 Status: Case Closed
 Substance: 8006619,1203
 Substance Quantity: Not reported
 Local Case No: 15989-29301
 Case Type: Soil
 Abatement Method Used at the Site: Not reported
 Global ID: T0603762788
 W Global ID: Not reported
 Staff: UNK
 Local Agency: 19000
 Cross Street: FIGUEROA ST.
 Enforcement Type: Not reported
 Date Leak Discovered: 8/11/1999
 Date Leak First Reported: 8/11/1999
 Date Leak Record Entered: Not reported
 Date Confirmation Began: 11/3/2003
 Date Leak Stopped: Not reported
 Date Case Last Changed on Database: Not reported
 Date the Case was Closed: 11/3/2003
 How Leak Discovered: OM
 How Leak Stopped: Close Tank
 Cause of Leak: UNK
 Leak Source: UNK
 Operator: Not reported
 Water System: Not reported
 Well Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASTE MANAGEMENT, INC. (Continued)

S106116153

Approx. Dist To Production Well (ft): Not reported
Source of Cleanup Funding: UNK
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: JOHN PIVOVAROFF
RP Address: 321 W. FRANCISCO ST.
Program: LUST
Lat/Long: 0 / 0
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

LUST:

Name: WASTE MANAGEMENT, INC.
Address: 321 FRANCISCO ST. W.
City,State,Zip: CARSON, CA 90745
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603762788
Global Id: T0603762788
Latitude: 33.850811
Longitude: -118.282423
Status: Completed - Case Closed
Status Date: 11/03/2003
Case Worker: TS
RB Case Number: R-29301
Local Agency: LOS ANGELES COUNTY
File Location: Local Agency
Local Case Number: 15989-29301
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, Diesel
Site History: Not reported

LUST:

Global Id: T0603762788
Contact Type: Local Agency Caseworker
Contact Name: TIM SMITH
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASTE MANAGEMENT, INC. (Continued)

S106116153

Email: tsmith@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603762788
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: T0603762788
Action Type: Other
Date: 08/11/1999
Action: Leak Reported

Global Id: T0603762788
Action Type: Other
Date: 08/11/1999
Action: Leak Discovery

CORTESE:

Name: WASTE MANAGEMENT, INC.
Address: 321 FRANCISCO ST. W.
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603762788
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: WASTE MANAGEMENT, INC.
Address: 321 FRANCISCO ST. W.
City,State,Zip: CARSON, CA 90745
Site ID: 186757
CERS ID: T0603762788

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WASTE MANAGEMENT, INC. (Continued)

S106116153

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
 Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4TH ST., SUITE 200
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
 Entity Name: TIM SMITH - LOS ANGELES COUNTY
 Entity Title: Not reported
 Affiliation Address: 900 S. FREMONT AVE.
 Affiliation City: ALHAMBRA
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

U88
North
1/4-1/2
0.408 mi.
2152 ft.

USA WASTE OF CA
321 W FRANCISCO ST
CARSON, CA 90745
Site 2 of 3 in cluster U

SWF/LF **S108757733**
HAULERS **N/A**
NPDES
CIWQS
CERS

Relative:
Lower
Actual:
25 ft.

LOS ANGELES CO. LF:

Name: WASTE MANAGEMENT CARSON TRANSFER STATION
 Address: 321 W FRANCISCO ST.
 City,State,Zip: CARSON, CA 90745
 Site ID: 365
 Alt. Address: N/A
 Site Contact: Not reported
 Site Contact Phone: (310) 217-6300
 Site Email: amitchell@wm.com
 Site Website: www.wm.com
 Site Type: Transfer and Processing Facility
 Site SWIS Number: 19-AQ-0001
 Beginning Operation Date: N/A
 Ending Operation Date: N/A
 Local Enforcement Agency: County Of Los Angeles Department of Public Health
 Maximun Depth Fill(Ft): Not reported
 Permitted Capacity: 5300
 Present Use: Transfer/Processing Facility
 Remaining Capacity(Million): N/A
 Status: Active
 Waste Accepted: Construction & Demolition;Green Materials;Household Trash;Industrial Non-Hazardous;
 Hours of Operation: Monday - Friday 6 am - 6 pm; Saturday 7 am - 1 pm
 Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: Waste Management, Inc. - Sun Valley
 Operator Address: 9081 Tujunga Avenue
 Operator City/State/Zip: Sun Valley, CA 91352-1516
 Operator Contact: Debbie Myers

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Operator Telephone: (818) 767-6180
Operator Email: dmyer@wm.com
Owner Name: Waste Management, INC.
Owner Address: 9081 Tujunga Avenue
Owner City/State/Zip: Sun Valley, CA 91352
Owner Contact: Debbie Myers
Owner Telephone: (818) 767-6180
Owner Email: Not reported

HAULERS:

Name: WASTE MANAGEMENT, INC.
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745-1006
Facility ID: 1294222
Facility Phone: (310) 217-6300
Business Email Address: Not reported
Contact Person: Andre Arakian
Mailing Address: 321 W Francisco St
Mailing City: Carson
Mailing State: CA
Mailing Zip: 90745-1006
Mailing County: Not reported
Mailing Phone: (310) 217-6300
Current Status: Active Business
Current Hauler Status: Hauler - Registered
Accepting Tires From Public: No
Regulatory Status Last Changed: 9/30/2003
Business Types: Hauler (Com Car, Ag, Gov Exempt); Trucking/Bus Fleet

NPDES:

Name: USA WASTE OF CA
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I000563
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 03/16/1992
Operator Name: USA Waste of CA
Operator Address: 321 W Francisco St

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Operator City: Carson
Operator State: California
Operator Zip: 90745

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 188647
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I000563
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 03/16/1992
Status: Active
Status Date: 03/16/1992
Place Size: 7
Place Size Unit: Acres
Contact: Darrell Kato
Contact Title: Area Director of Collection Operations
Contact Phone: 714-480-2353
Contact Phone Ext: Not reported
Contact Email: dkato@wm.com
Operator Name: USA Waste of CA
Operator Address: 321 W Francisco St
Operator City: Carson
Operator State: California
Operator Zip: 90745
Operator Contact: Darrell Kato
Operator Contact Title: Area Director of Collection Operations
Operator Contact Phone: 714-480-2353
Operator Contact Phone Ext: Not reported
Operator Contact Email: dkato@wm.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 310-217-6300
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

| | |
|---|-------------------------------------|
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | N |
| Receiving Water Name: | Los Angels River |
| Certifier: | Manuel Escamilla |
| Certifier Title: | Operations Supervisor |
| Certification Date: | 04-JUN-15 |
| Primary Sic: | 5093-Scrap and Waste Materials |
| Secondary Sic: | 4212-Local Trucking Without Storage |
| Tertiary Sic: | 4214-Local Trucking with Storage |
| NPDES Number: | CAS000001 |
| Status: | Active |
| Agency Number: | 0 |
| Region: | 4 |
| Regulatory Measure ID: | 188647 |
| Order Number: | 97-03-DWQ |
| Regulatory Measure Type: | Enrollee |
| Place ID: | Not reported |
| WDID: | 4 19I000563 |
| Program Type: | Industrial |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | 03/16/1992 |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | USA Waste of CA |
| Discharge Address: | 321 W Francisco St |
| Discharge City: | Carson |
| Discharge State: | California |
| Discharge Zip: | 90745 |
| Received Date: | Not reported |
| Processed Date: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |
| Operator City: | Not reported |
| Operator State: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: USA WASTE OF CA
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 188647
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I000563
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Effective Date Of Regulatory Measure: 03/16/1992
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 321 W Francisco St
Discharge Name: USA Waste of CA
Discharge City: Carson
Discharge State: California
Discharge Zip: 90745
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 188647
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I000563
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 03/16/1992
Status: Active
Status Date: 03/16/1992
Place Size: 7
Place Size Unit: Acres
Contact: Darrell Kato
Contact Title: Area Director of Collection Operations
Contact Phone: 714-480-2353
Contact Phone Ext: Not reported
Contact Email: dkato@wm.com
Operator Name: USA Waste of CA
Operator Address: 321 W Francisco St
Operator City: Carson
Operator State: California
Operator Zip: 90745
Operator Contact: Darrell Kato
Operator Contact Title: Area Director of Collection Operations
Operator Contact Phone: 714-480-2353
Operator Contact Phone Ext: Not reported
Operator Contact Email: dkato@wm.com
Operator Type: Private Business

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 310-217-6300
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Los Angels River
Certifier: Manuel Escamilla
Certifier Title: Operations Supervisor
Certification Date: 04-JUN-15
Primary Sic: 5093-Scrap and Waste Materials
Secondary Sic: 4212-Local Trucking Without Storage
Tertiary Sic: 4214-Local Trucking with Storage

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 188647
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I000563
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/16/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: USA Waste of CA
Discharge Address: 321 W Francisco St
Discharge City: Carson
Discharge State: California
Discharge Zip: 90745
Received Date: Not reported
Processed Date: Not reported
Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

| | |
|-------------------------------|--------------|
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |

CIWQS:

Name: USA WASTE OF CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Agency: USA Waste of CA
Agency Address: 321 W Francisco St, Carson, CA 90745
Place/Project Type: Industrial - Scrap and Waste Materials
SIC/NAICS: 5093(+)
Region: 4
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I000563
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/16/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.85028
Longitude: -118.28253

CERS:

Name: USA WASTE OF CA
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Site ID: 545669
CERS ID: 269853
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 545669
Site Name: USA Waste of CA
Violation Date: 12-16-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Analytical results for Total Suspended Solids (TSS), Specific Conductance (SC), Oil and Grease (OG) and Iron (Fe) exceed benchmark levels.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 545669
Site Name: USA Waste of CA
Violation Date: 02-28-2010
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Analytical results for SC, TSS, Fe, TOC and OG exceed benchmark levels.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2002
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Report completed in black pen at office. High readings for TSS in monitoring report. Good housekeeping on the site. Did not test for Fe at this location, ever. BMPs on site appear to be working.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2004
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: SWPPP: pollution prevention team needs to be updated, site map did not include locations of directly exposed materials (cardboard bales, green wast, etc), municipal trash must be added to the significant materials list. Waste oil storage - the SWPPP lists

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2011
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: MW Recycle America Alliance own and operate this business. A review of the SWPPP and SMR document s indicate that these document meet the permit requiremnt. The storm water runoff during the first hour of rain is collected in four tanks (3 of 500 gallons and one of 1,500 gallons). Good housekeeping was observed at the site.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Case Development Inspection
Eval Date: 08-03-2004
Violations Found: No
Eval Type: Industrial Storm Water Enforcement Follow-up
Eval Notes: Facility operators were implementing appropriate BMPs at the time of inspection. The yard was free of excess debris and the storm drains and areas surrounding the storm drains were free of trash and debris noted during the Tetrattech inspection.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2005
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: They were in compliance during the inspection. Inspection history: - 3/22/02 Jim Covin, In compliance - 3/30/04 Tetre Tech. Minor violation (Poor house keeing). - 3/9/04 Ivar Ridgeway, In Compliance.

Eval Division: Water Boards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA WASTE OF CA (Continued)

S108757733

Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:

Site ID: 545669
Site Name: USA Waste of CA
Site Address: 321 W FRANCISCO ST
Site City: CARSON
Site Zip: 90745
Enf Action Date: 05-25-2012
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: 2nd benchmark value exceedance: required to ensure full compliance with the Permit; to implement effective BMPs; to implement additional BMPs and amend a SWPPP.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 545669
Site Name: USA Waste of CA
Site Address: 321 W FRANCISCO ST
Site City: CARSON
Site Zip: 90745
Enf Action Date: 09-09-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: USA Waste of CA
Entity Title: Operator
Affiliation Address: 321 W Francisco St
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

U89
North
1/4-1/2
0.408 mi.
2152 ft.
Relative:
Lower
Actual:
25 ft.

THE HOME DEPOT
321 W FRANCISCO ST
CARSON, CA 90745
Site 3 of 3 in cluster U

SWF/LF **S101273950**
CERS HAZ WASTE **N/A**
CERS TANKS
EMI
HAZNET
LOS ANGELES CO. HMS
CERS
HWTS

SWF/LF (SWIS):
 Name: CARSON TRANSFER STATION & MRF
 Address: 321 WEST FRANCISCO STREET
 City,State,Zip: CARSON, CA 90745
 Region: STATE
 Facility ID: 19-AQ-0001
 SWIS Number: 19-AQ-0001
 Point of Contact: Nai Teurn
 Is Archived: No
 Is Closed Illegal Abandoned: No
 Is Site Inert Debris Engineered Fill: No
 Is Financial Assurances Responsible: No
 Absorbed On: Not reported
 Operational Status: Active
 Absorbed By: Not reported
 Closed Illegal Abandoned Category: Not reported
 EPA Federal Registry ID: Not reported
 ARB District: South Coast
 SWRCB Region: Los Angeles
 Local Government: Carson
 Reporting Agency Legal Name: County of Los Angeles
 Reporting Agency Department: Department of Public Health
 Enforcing Agency Legal Name: County of Los Angeles
 Enforcing Agency Department: Department of Public Health
 Regulation Status: Permitted

Activity:
 SWIS Number: 19-AQ-0001
 Site Name: Carson Transfer Station & MRF
 Activity: Large Volume Transfer/Processing Facility
 Activity Is Archived: No
 Category: Transfer/Processing
 Activity Classification: Solid Waste Facility
 WDR Number: Not reported
 WDR Landfill Class: Not reported
 Cease Operation: Not reported
 Cease Operation Type: Not reported
 Inspection Frequency: Monthly
 Throughput: 5300
 Throughput Units: Tons per day
 Remaining Capacity: Not reported
 Remaining Capacity Date: Not reported
 Capacity: 5300
 Capacity Units: Tons per day
 Total Acreage: 6
 Disposal Acreage: Not reported
 Permitted Elevation: 0
 Permitted Elevation Type: Not reported
 Permitted Depth: Not reported
 Permitted Depth Type: Not reported
 Point of Contact: Nai Teurn

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Site Operational Status: Active
Site Regulatory Status: Permitted
Site Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
County: Los Angeles
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Street Address: 321 West Francisco Street
City: Carson
State: CA
ZIP Code: 90745
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Operator:

SWIS Number: 19-AQ-0001
Site Name: Carson Transfer Station & MRF
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Permitted
Latitude: 33.85087
Longitude: -118.28252
Is Archived: No
Operator: U.S.A. Waste Of Ca, Inc.
Started On: 3/24/2000
Contact Name: John/Bill Pivovaroff
Contact Title: District Manager
Contact Email: Not reported
Contact Phone: (310) 217-6300
Street Address: 321 W Francisco St
Operator City: Carson
Operator State: CA
Operator Zip: 90745

Owner:

SWIS Number: 19-AQ-0001
Owner: U.S.A. Waste Of California, Inc.
Owner Address: 321 W Francisco St
Owner City: Carson
Owner State: CA
Owner Zip: 90745
Site Name: Carson Transfer Station & MRF
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Permitted
Latitude: 33.85087
Longitude: -118.28252

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Is Archived: No
Started On: 3/24/2000
Contact Name: Les Bittenson
Contact Title: Vice President
Contact Email: Not reported
Contact Phone: (310) 217-6300

Waste:

SWIS Number: 19-AQ-0001
Site Name: Carson Transfer Station & MRF
Activity: Large Volume Transfer/Processing Facility
Waste Type: Mixed municipal
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Non-Disposal Only
Point of Contact: Nai Teurn
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Facility

SWIS Number: 19-AQ-0001
Site Name: Carson Transfer Station & MRF
Activity: Large Volume Transfer/Processing Facility
Waste Type: Construction/demolition
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Non-Disposal Only
Point of Contact: Nai Teurn
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Facility

SWIS Number: 19-AQ-0001
Site Name: Carson Transfer Station & MRF
Activity: Large Volume Transfer/Processing Facility
Waste Type: Industrial
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Non-Disposal Only
Point of Contact: Nai Teurn
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Facility

CERS HAZ WASTE:

Name: WASTE MANAGEMENT CARSON TRANSFER ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Site ID: 84744
CERS ID: 10272685
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: WASTE MANAGEMENT CARSON TRANSFER ST
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Site ID: 84744
CERS ID: 10272685
CERS Description: Aboveground Petroleum Storage

EMI:

Name: WESTERN WASTE INDUSTRIES
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 1109
Air District Name: SC
SIC Code: 4953
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

HAZNET:

Name: THE HOME DEPOT
Address: 321 W FRANCISCO ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907451006
Contact: MIKE MADDOCKS
Telephone: 7703843540
Mailing Name: Not reported
Mailing Address: 160 CHAPEL RD STE 160

Year: 2013
Gepaid: CAC002754621
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0015

Year: 2013
Gepaid: CAC002754621
TSD EPA ID: CAD008364432
CA Waste Code: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.001
Year: 2013
Gepaid: CAC002754621
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0345

Additional Info:

Year: 2013
Gen EPA ID: CAC002754621

Shipment Date: 20131213
Creation Date: 2/7/2014 22:15:07
Receipt Date: 20131227
Manifest ID: 000663573PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSD EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSD EPA Alt ID: Not reported
TSD EPA Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D016
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.003
Waste Quantity: 6
Quantity Unit: P
Additional Code 1: D008
Additional Code 2: D007
Additional Code 3: D005
Additional Code 4: D001
Additional Code 5: Not reported

Shipment Date: 20131213
Creation Date: 2/7/2014 22:15:07
Receipt Date: 20131227
Manifest ID: 000663573PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSD EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSD EPA Alt ID: Not reported
TSD EPA Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D035
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Quantity Tons: 0.0015
Waste Quantity: 3
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131213
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000663573PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDf EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D009
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.001
Waste Quantity: 2
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131213
Creation Date: 2/7/2014 22:15:07
Receipt Date: 20131227
Manifest ID: 000663573PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDf EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0315
Waste Quantity: 63
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D006
Additional Code 3: D001
Additional Code 4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Additional Code 5: Not reported

Shipment Date: 20131213
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 000663573PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDf EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0175
Waste Quantity: 35
Quantity Unit: P

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131213
Creation Date: 2/7/2014 22:15:07
Receipt Date: 20131227
Manifest ID: 000663573PSC
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
Trans 2 EPA ID: CAD983649880
Trans 2 Name: PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDf EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.001
Waste Quantity: 2
Quantity Unit: P

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES CO. HMS:

Name: WESTERN WASTE INDUSTRIES
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 907451006
Region: LA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Permit Category: I
Facility Id: 015989-020802
Facility Type: 04
Facility Status: Closed
Area: 22
Permit Number: 000183236
Permit Status: Closed

Name: WESTERN WASTE INDUSTRIES
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 907451006
Region: LA
Permit Category: I
Facility Id: 015989-020802
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000183212
Permit Status: Closed

Name: WESTERN WASTE INDUSTRIES
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 907451006
Region: LA
Permit Category: I
Facility Id: 015989-020802
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 0000J3425
Permit Status: Closed

Name: WESTERN WASTE INDUSTRIES
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 907451006
Region: LA
Permit Category: I
Facility Id: 015989-020802
Facility Type: 02
Facility Status: Closed
Area: 22
Permit Number: 000205097
Permit Status: Removed

CERS:

Name: WASTE MANAGEMENT CARSON TRANSFER ST
Address: 321 W FRANCISCO ST
City,State,Zip: CARSON, CA 90745
Site ID: 84744
CERS ID: 10272685
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 84744
Site Name: WASTE MANAGEMENT CARSON TRANSFER ST
Violation Date: 01-22-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Violation Description: Chapter 12, Section(s) 66262.34(f)
Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 01/25/2016. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed the following hazardous waste containers missing accumulation dates on the hazardous waste labels: Containers inside the hazmat bin 1) 2 x 55 gallon waste latex paint 2) 55 gallon pesticide waste 3) 55 gallon acidic cleaners waste 4) 55 gallon caustic cleaners waste 5) 55 gallon oil waste 6) 2 x 55 gallon flammable waste 7) 55 gallon aerosol can waste Maintenance area 1) 2 x 55 gallon oily absorbent waste containers CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Clemente Camacho - Operations Supervisor, gave consent for the inspection. No violations observed.

Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Clemente Camacho - Operations Supervisor, gave consent for the inspection. No violations observed.

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Clemente Camacho - Operations Supervisor, gave consent for the inspection.

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-25-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Eval Notes: Received compliance paperwork and pictures via email for NOV issued on 1/22/16.

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Armando Bracamontes, District Operations Manager No significant violation was observed at the time of inspection.

Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Armando Bracamontes, District Operations Manager No significant violation was observed at the time of inspection.

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Armando Bracamontes, District Operations Manager No significant violation was observed at the time of inspection.

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:

Site ID: 84744
Facility Name: WASTE MANAGEMENT CARSON TRANSFER ST
Env Int Type Code: HWG
Program ID: 10272685
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.850680
Longitude: -118.280820

Affiliation:

Affiliation Type Desc: Operator
Entity Name: USA Waste of California, Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 605-6084

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: Manny Escamilla
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: USA Waste of California, Inc
Entity Title: Not reported
Affiliation Address: 321 W. FRANCISCO ST.
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90745
Affiliation Phone: (310) 217-6300

Affiliation Type Desc: Environmental Contact
Entity Name: Stephen Dowaliby
Entity Title: Not reported
Affiliation Address: 321 W FRANCISCO ST
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 321 W FRANCISCO ST
Affiliation City: CARSON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: WASTE MANAGEMENT CARSON TRANSFER ST
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CARSON TRANSFER STATION & MRF
Address: 321 WEST FRANCISCO STREET
City,State,Zip: CARSON, CA
Site ID: 507550
CERS ID: 19-AQ-0001
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: U.S.A. Waste Of California, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: 3102176300

Affiliation Type Desc: Legal Operator
Entity Name: U.S.A. Waste Of Ca, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: 3102176300

HWTS:

Name: THE HOME DEPOT
Address: 321 W FRANCISCO ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907451006
EPA ID: CAC002754621
Inactive Date: 03/14/2014
Create Date: 12/13/2013
Last Act Date: 07/11/2014
Mailing Name: Not reported
Mailing Address: 5151 SAN FELIPE ST
Mailing Address 2: SUITE 1000
Mailing City,State,Zip: HOUSTON, TX 770560000
Owner Name: HOME DEPOT USA
Owner Address: 2455 PACES FERRY RD
Owner Address 2: Not reported
Owner City,State,Zip: ATLANTA, GA 30339
Contact Name: CHRIS BAKER
Contact Address: 5151 SAN FELIPE ST
Contact Address 2: SUITE 1000
City,State,Zip: HOUSTON, TX 77056

NAICS:

EPA ID: CAC002754621
Create Date: 2013-12-13 13:11:46.797

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE HOME DEPOT (Continued)

S101273950

NAICS Code: 44411
NAICS Description: Home Centers
Issued EPA ID Date: 2013-12-13 13:11:46.80300
Inactive Date: 2014-03-14 13:11:00
Facility Name: THE HOME DEPOT
Facility Address: 321 W FRANCISCO ST
Facility Address 2: Not reported
Facility City: CARSON
Facility County: Not reported
Facility State: CA
Facility Zip: 907451006

V90
NNE
1/4-1/2
0.416 mi.
2196 ft.

CITY OF CARSON - BURGENO PROPERTY
19825 MAIN
CARSON, CA 90745

CPS-SLIC S106387038
CERS N/A

Site 1 of 4 in cluster V

Relative:
Higher
Actual:
28 ft.

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0496F2
Substance: Not reported
Staff: SSH

CPS-SLIC:
Name: CITY OF CARSON - BURGENO PROPERTY
Address: 19825 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43314312
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.851574
Longitude: -118.279545
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496F2
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:
Name: CITY OF CARSON - BURGENO PROPERTY
Address: 19825 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 210000
CERS ID: SLT43314312
CERS Description: Cleanup Program Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - BURGEO PROPERTY (Continued)

S106387038

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766725

91
NW
1/4-1/2
0.417 mi.
2202 ft.

**SHELL OIL CO.
LOS ANGELES, CA**

**FUDS 1024904091
N/A**

Relative:
Higher
Actual:
30 ft.

FUDS:
EPA Region: 09
Installation ID: CA99799FA46900
Congressional District Number: 43
Facility Name: SHELL OIL CO.
FUDS Number: J09CA7442
City: LOS ANGELES
State: CA
County: LOS ANGELES
Object ID: 7262
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Private Sector
EMS Map Link: <https://fudportal.usace.army.mil/ems/ems/inventory/map/map?id=63178>
Eligibility: Ineligible
Has Projects: No
NPL Status: Not Listed
Latitude: 33.850000000000001
Longitude: -118.287499999999

V92
North
1/4-1/2
0.434 mi.
2290 ft.

**CITY OF CARSON - DREYFUSS PROPERTY
19817 MAIN
CARSON, CA 90745
Site 2 of 4 in cluster V**

**CPS-SLIC S106387037
CERS N/A**

Relative:
Higher
Actual:
29 ft.

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 0496F1
Substance: Not reported
Staff: SSH

CPS-SLIC:
Name: CITY OF CARSON - DREYFUSS PROPERTY
Address: 19817 MAIN ST
City,State,Zip: CARSON, CA 90745

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON - DREYFUSS PROPERTY (Continued)

S106387037

Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/21/2015
Global Id: SLT43313311
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.851574
Longitude: -118.279545
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496F1
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name: CITY OF CARSON - DREYFUSS PROPERTY
Address: 19817 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 195692
CERS ID: SLT43313311
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766725

93
NNE
1/4-1/2
0.439 mi.
2316 ft.

BKK PUBLIC DUMP -CARSON
19200-19800 SOUTH MAIN ST
CARSON, CA 90746

SWF/LF S103426815
CERS N/A

Relative:
Higher

SWF/LF (SWIS):

Actual:
27 ft.

Name: BKK PUBLIC DUMP -CARSON
Address: 19200-19800 SOUTH MAIN ST
City,State,Zip: CARSON, CA 90746
Region: STATE
Facility ID: 19-AQ-0014
SWIS Number: 19-AQ-0014
Point of Contact: Dawn Liang
Is Archived: No
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK PUBLIC DUMP -CARSON (Continued)

S103426815

| | |
|---------------------------------------|-----------------------------|
| Operational Status: | Closed |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | B2 |
| EPA Federal Registry ID: | Not reported |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Pre-regulation |
| Activity: | |
| SWIS Number: | 19-AQ-0014 |
| Site Name: | BKK Public Dump -Carson |
| Activity: | Solid Waste Disposal Site |
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | 12/31/1959 |
| Cease Operation Type: | Estimated |
| Inspection Frequency: | Quarterly |
| Throughput: | Not reported |
| Throughput Units: | Not reported |
| Remaining Capacity: | Not reported |
| Remaining Capacity Date: | Not reported |
| Capacity: | Not reported |
| Capacity Units: | Not reported |
| Total Acreage: | 0 |
| Disposal Acreage: | 0 |
| Permitted Elevation: | Not reported |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | Not reported |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Pre-regulation |
| Site Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | B2 |
| EPA Federal Registry ID: | Not reported |
| County: | Los Angeles |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Street Address: | 19200-19800 South Main St |
| City: | Carson |
| State: | CA |
| ZIP Code: | 90746 |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK PUBLIC DUMP -CARSON (Continued)

S103426815

Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Owner:

SWIS Number: 19-AQ-0014
Owner: L.A. County (Vict. Park And Golf Course)
Owner Address: 265 Cloverleaf Dr
Owner City: Baldwin Park
Owner State: CA
Owner Zip: 91706
Site Name: BKK Public Dump -Carson
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Pre-regulation
Latitude: 33.85056
Longitude: -118.27778
Is Archived: No
Started On: 9/24/1998
Contact Name: Larry Lee
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (818) 333-7262

Waste:

SWIS Number: 19-AQ-0014
Site Name: BKK Public Dump -Carson
Activity: Solid Waste Disposal Site
Waste Type: Inert
Site Is Archived: No
Site Operational Status: Closed
Site Regulatory Status: Pre-regulation
Site Type: Disposal Only
Point of Contact: Dawn Liang
Activity Is Archived: No
Activity Operational Status: Closed
Activity Regulatory Status: Pre-regulations
Activity Category: Disposal
Activity Classification: Solid Waste Disposal Site

SWIS Number: 19-AQ-0014
Site Name: BKK Public Dump -Carson
Activity: Solid Waste Disposal Site
Waste Type: Mixed municipal
Site Is Archived: No
Site Operational Status: Closed
Site Regulatory Status: Pre-regulation
Site Type: Disposal Only
Point of Contact: Dawn Liang
Activity Is Archived: No
Activity Operational Status: Closed
Activity Regulatory Status: Pre-regulations
Activity Category: Disposal
Activity Classification: Solid Waste Disposal Site

SWIS Number: 19-AQ-0014
Site Name: BKK Public Dump -Carson

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BKK PUBLIC DUMP -CARSON (Continued)

S103426815

Activity: Solid Waste Disposal Site
 Waste Type: Other hazardous
 Site Is Archived: No
 Site Operational Status: Closed
 Site Regulatory Status: Pre-regulation
 Site Type: Disposal Only
 Point of Contact: Dawn Liang
 Activity Is Archived: No
 Activity Operational Status: Closed
 Activity Regulatory Status: Pre-regulations
 Activity Category: Disposal
 Activity Classification: Solid Waste Disposal Site

CERS:

Name: BKK PUBLIC DUMP -CARSON
 Address: 19200-19800 SOUTH MAIN ST
 City,State,Zip: CARSON, CA
 Site ID: 507109
 CERS ID: 19-AQ-0014
 CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
 Entity Name: L.A. County (Vict. Park And Golf Course)
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Baldwin Park
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: 91706
 Affiliation Phone: 8183337262

V94
North
1/4-1/2
0.452 mi.
2384 ft.
Relative:
Higher
Actual:
29 ft.

WESTERN WASTE INDUSTRIES
19803 MAIN ST S
CARSON, CA 90745
Site 3 of 4 in cluster V

LUST **S101585771**
CPS-SLIC **N/A**
SWEEPS UST
HIST UST
CA FID UST
Cortese
HIST CORTESE
LOS ANGELES CO. HMS
CERS

LUST REG 4:

Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: R-11494
 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: T0603705049
 W Global ID: Not reported
 Staff: JP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 8/12/1988
Date Leak First Reported: 9/16/1993
Date Leak Record Entered: 6/2/1995
Date Confirmation Began: 9/16/1993
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/27/1997
Date the Case was Closed: 7/10/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: OLD CASE #060295-01
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7728.8512597187820791736870615
Source of Cleanup Funding: Tank
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: WESTERN WASTE INDUSTRIES
RP Address: 1125 190TH ST W GARDENA CA 90248
Program: LUST
Lat/Long: 33.8511255 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OUR FILE CONTAINS VERY LITTLE INFO. ON THIS CASE. 09/20/93 - GASOLINE LEAK REPORTED; 06/27/97 - SAR & TANK CLOSURE RPT.

LUST:

Name: WESTERN WASTE INDUSTRIES
Address: 19803 MAIN ST S
City,State,Zip: CARSON, CA 90745
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705049
Global Id: T0603705049
Latitude: 33.8511255
Longitude: -118.2805576

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

Status: Completed - Case Closed
Status Date: 07/10/1998
Case Worker: JP
RB Case Number: R-11494
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: T0603705049
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: T0603705049
Contact Type: Regional Board Caseworker
Contact Name: JOSE PEREYRA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0603705049
Action Type: Other
Date: 09/16/1993
Action: Leak Reported

Global Id: T0603705049
Action Type: Other
Date: 08/12/1988
Action: Leak Discovery

LUST:

Global Id: T0603705049
Status: Open - Case Begin Date
Status Date: 08/12/1988

Global Id: T0603705049
Status: Open - Site Assessment
Status Date: 09/16/1993

Global Id: T0603705049
Status: Completed - Case Closed
Status Date: 07/10/1998

CPS-SLIC:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

Name: CITY OF CARSON - USA WASTE OF CA
Address: 19803 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: Open - Inactive
Status Date: 01/21/2015
Global Id: SLT43316314
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.851574
Longitude: -118.279545
Case Type: Cleanup Program Site
Case Worker: AGH
Local Agency: Not reported
RB Case Number: 0496F3
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SWEEPS UST:

Name: WESTERN WASTE INDUSTRIES
Address: 19803 S MAIN ST
City: CARSON
Status: Active
Comp Number: 11494
Number: 9
Board Of Equalization: 44-008062
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011494-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Name: WESTERN WASTE INDUSTRIES
Address: 19803 S MAIN ST
City: CARSON
Status: Active
Comp Number: 11494
Number: 9
Board Of Equalization: 44-008062
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011494-000002
Tank Status: A
Capacity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: WESTERN WASTE INDUSTRIES
Address: 19803 S MAIN ST
City: CARSON
Status: Active
Comp Number: 11494
Number: 9
Board Of Equalization: 44-008062
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011494-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: WESTERN WASTE INDUSTRIES
Address: 19803 S MAIN ST
City: CARSON
Status: Active
Comp Number: 11494
Number: 9
Board Of Equalization: 44-008062
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011494-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: WESTERN WASTE INDUSTRIES
Address: 19803 S MAIN ST
City: CARSON
Status: Active
Comp Number: 11494
Number: 9
Board Of Equalization: 44-008062
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

SWRCB Tank Id: 19-000-011494-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: WESTERN WASTE INDUSTRIES
Address: 19803 S MAIN ST
City: CARSON
Status: Active
Comp Number: 11494
Number: 9
Board Of Equalization: 44-008062
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-011494-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:

Name: CARSON SHOP
Address: 19803 S MAIN ST
City,State,Zip: CARSON, CA 90745
File Number: 000287A0
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000287A0.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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 19029147
Regulated By: UTNKA
Regulated ID: 00004065
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 19803 S MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: CARSON
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CORTESE:

Name: WESTERN WASTE INDUSTRIES
Address: 19803 MAIN ST S
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603705049
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: WESTERN WASTE INDUSTRIES
edr_fadd1: 19803 MAIN
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-11494

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

LOS ANGELES CO. HMS:

Name: WESTERN WASTE INDUSTRIES
Address: 19803 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: T
Facility Id: 003874-011494
Facility Type: 0
Facility Status: Closed
Area: 22
Permit Number: 00003038T
Permit Status: Closed

Name: SEE 005866-I06080 (DEST)
Address: 19803 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: I
Facility Id: 003874-I04009
Facility Type: 00
Facility Status: Closed
Area: 22
Permit Number: 000001822
Permit Status: Closed

Name: SEE 003874-I04009 (DEST)
Address: 19803 MAIN ST
City,State,Zip: CARSON, CA 90745
Region: LA
Permit Category: Not reported
Facility Id: 003874-I04023
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

CERS:

Name: WESTERN WASTE INDUSTRIES
Address: 19803 MAIN ST S
City,State,Zip: CARSON, CA 90745
Site ID: 238421
CERS ID: T0603705049
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOSE PEREYRA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN WASTE INDUSTRIES (Continued)

S101585771

Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Name: CITY OF CARSON - USA WASTE OF CA
Address: 19803 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 260386
CERS ID: SLT43316314
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARTHUR G. HEATH - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766725

V95 CITY OF CARSON - USA WASTE OF CA
North 19803 MAIN
1/4-1/2 CARSON, CA 90745
0.452 mi.
2384 ft. Site 4 of 4 in cluster V
Relative: SLIC REG 4:
Higher Region: 4
Actual: Facility Status: Site Assessment
29 ft. SLIC: 0496F3
Substance: Not reported
Staff: SSH

CPS-SLIC **S106387040**
N/A

96 CITY OF CARSON
SSE 21208 SHEARER AVENUE
1/4-1/2 CARSON, CA 90745
0.466 mi.
2459 ft.

CPS-SLIC **S106483708**
DEED **N/A**
CERS

Relative: CPS-SLIC:
Lower Name: CITY OF CARSON
Actual: Address: 21208 SHEARER AVENUE
18 ft. City,State,Zip: CARSON, CA 90745
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 02/04/2016
Global Id: SL163452337
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON (Continued)

S106483708

Lead Agency Case Number: Not reported
Latitude: 33.842924
Longitude: -118.278065
Case Type: Cleanup Program Site
Case Worker: TA
Local Agency: Not reported
RB Case Number: 0496F5
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Benzene, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene
Site History: This Site is a 0.4 acre parcel located in a residential neighborhood in the City of Carson. The Site has never been developed and currently is a vacant lot. The city plans to develop the Site into a passive park. According to the information provided, several commercial and industrial operations are found within 1,000 feet to the west of the Site that includes a now defunct oil refinery, auto body shops, machine shop, welding shop, iron works and auto salvage yard. NorCal Engineering (1989) and California Environmental (CE; 1995) conducted soil investigation and determined that the Site was impacted by petroleum hydrocarbons. Since then a number of other environmental investigations have been conducted by various consultants. Jack K. Bryant and Associates, Inc. (JKB, 1990) conducted Phase I and Phase II site assessment and described the results from exploratory soil borings within the Site and a soil vapor survey. Based on the soil samples analyzed, JKB reported total petroleum hydrocarbon (TPH) concentrations as high as 11,000 milligrams per kilogram (mg/Kg) and detectable benzene, toluene, ethylbenzene, and xylene (BTEX). The source of the petroleum hydrocarbons is unknown but JKB concluded that a possible source of the onsite petroleum contamination was impacted wastewater flowing to and ponding onsite. This wastewater is suspected of originating from the former Golden Eagle Refinery located 1,000 feet northwest of the Site. In addition, a shallow soil gas survey was conducted that consisted of 56 soil vapor samples from across the Site. Soil vapor samples were collected from a depth of 18 inches and the findings indicate elevated hydrocarbon concentrations as high as 200 milligram per litre (mg/L) within the Sites central portion. California Environmental (CE, 1995) conducted additional soil sampling and determined that the onsite contaminant of concern to be crude oil with hydrocarbon chain lengths ranging from C6 through C30. Eco and Associates, Inc. (2006) carried out limited excavation of impacted soil. Soil confirmation data was obtained from bottom and walls of excavation. The excavation was discontinued before maximum amount of impacted soil was removed due to unexpected vertical extent of the contamination of the soil matrix. Subsequently additional site assessment was conducted with installation of 13 additional soil borings and determined at 22 feet bgs as the maximum depth of impacted soil. Based on this information CE concluded that groundwater beneath the Site is not impacted although groundwater encountered was not investigated. The Site is located in the West Coast Basin of the Coastal Plain of Los Angeles. According to the Department of Water Resources Bulletin No. 104, the saturated unit at the Site is a perched water within the Bellflower aquiclude overlying the Gage aquifer which occurs at approximately 80 to 100 feet bgs. Based on the soil boring log, the Site is underlain by mixtures and layers of clay, silt, sand and gravel of alluvial origin. Groundwater was encountered at a depth of approximately 40 feet below ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF CARSON (Continued)

S106483708

surface (bgs).

[Click here to access the California GeoTracker records for this facility:](#)

DEED:

Name: CITY OF CARSON
Address: 21208 SHEARER AVENUE
City,State,Zip: CARSON, CA 90745
Envirostor ID: SL163452337
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: OPEN - INACTIVE
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 08/11/2010
File Name: Geotracker Land Use/Deed Restrictions

CERS:

Name: CITY OF CARSON
Address: 21208 SHEARER AVENUE
City,State,Zip: CARSON, CA 90745
Site ID: 241106
CERS ID: SL163452337
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TEKLEWOLD AYALEW - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

97
NE
1/4-1/2
0.475 mi.
2507 ft.

**LA-405 DOMINGUEZ GOLF COURSE
RIGHT-OF-WAY BETWEEN DEL AMO BLVD AND MAIN STREET (CALTRANS
CARSON, CA 90745**

**ENVIROSTOR S108484742
VCP N/A**

**Relative:
Higher
Actual:
26 ft.**

ENVIROSTOR:

Name: LA-405 DOMINGUEZ GOLF COURSE
Address: RIGHT-OF-WAY BETWEEN DEL AMO BLVD AND MAIN STREET (CALTRANS FWY STATIONS 620 AND 655)
City,State,Zip: CARSON, CA 90745
Facility ID: 60000633
Status: Inactive - Action Required
Status Date: 10/13/2010
Site Code: 401375
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 8
NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA-405 DOMINGUEZ GOLF COURSE (Continued)

S108484742

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Daniel Zogaib
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.85058
Longitude: -118.2763
APN: NONE SPECIFIED
Past Use: LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 110033607504
Alias Type: EPA (FRS #)
Alias Name: 401375
Alias Type: Project Code (Site Code)
Alias Name: 60000633
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/18/2007
Comments: Conditional approval of scope of work for investigation of 405 easement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/22/2007
Comments: Angle drilling to determine if waste exists under the freeway

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2010
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

VCP:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA-405 DOMINGUEZ GOLF COURSE (Continued)

S108484742

Name: LA-405 DOMINGUEZ GOLF COURSE
Address: RIGHT-OF-WAY BETWEEN DEL AMO BLVD AND MAIN STREET (CALTRANS FWY STATIONS 620 AND 630)
City,State,Zip: CARSON, CA 90745
Facility ID: 60000633
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Daniel Zogaib
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401375
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Inactive - Action Required
Status Date: 10/13/2010
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85058 / -118.2763
APN: NONE SPECIFIED
Past Use: LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC: 31001
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 110033607504
Alias Type: EPA (FRS #)
Alias Name: 401375
Alias Type: Project Code (Site Code)
Alias Name: 60000633
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/18/2007
Comments: Conditional approval of scope of work for investigation of 405 easement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/22/2007
Comments: Angle drilling to determine if waste exists under the freeway

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/16/2010
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA-405 DOMINGUEZ GOLF COURSE (Continued)

S108484742

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

W98
NNE
1/4-1/2
0.479 mi.
2531 ft.

DON DOMINGUEZ APARTMENTS
19822 SOUTH MAIN STREET
CARSON, CA 90745
Site 1 of 5 in cluster W

SWF/LF S111075888
CIWQS N/A
CERS
LOS ANGELES CO LF METHANE

Relative:
Higher
Actual:
31 ft.

LOS ANGELES CO. LF:
Name: DON DOMINGUEZ APARTMENTS
Address: 19822 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Site ID: 2251
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Designated Waste Landfill
Site SWIS Number: 19-AQ-5000
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: Residential
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Not reported
Hours of Operation: Not reported
Disposal Area (Acre): Not reported

Detail As Of 01/2014:
Operator Name: Mid-Wilshire Management & Investment, Co.
Operator Address: 3670 Wilshire Boulevard
Operator City/State/Zip: LOS ANGELES, CA 90010
Operator Contact: Abe Oheb
Operator Telephone: (213) 382-3433
Operator Email: Not reported
Owner Name: Don Dominguez Apartments, INC.
Owner Address: 827 Moraga
Owner City/State/Zip: Bel Aire, CA 90049
Owner Contact: Robert Friedman
Owner Telephone: Not reported
Owner Email: Not reported

CIWQS:
Name: DON DOMINGUEZ APARTMENT DEMOLITION
Address: 19822 MAIN ST
City,State,Zip: CARSON, CA 90745
Agency: Watson Land Company

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DON DOMINGUEZ APARTMENTS (Continued)

S111075888

Agency Address: 22010 Wilmington Avenue, Carson, CA 90745
Place/Project Type: Construction - Other: Demolition
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C362986
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 02/09/2012
Termination Date: 11/16/2012
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: 33.85145
Longitude: -118.27967

CERS:

Name: BKK DISPOSAL SITE #2
Address: 19822 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 454779
CERS ID: 110014001524
CERS Description: US EPA Air Emission Inventory System (EIS)

LOS ANGELES CO LF METHANE:

Name: DON DOMINGUEZ APARTMENTS
Address: 19822 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Site Number: 2251
Status: Closed
Description: Designated Waste Landfill
Operator Name: Mid-Wilshire Management & Investment, Co.
Operator Telephone: (213) 382-3433

W99 SPECTRUM REAL ESTATE
NNE 19822 S MAIN ST
1/4-1/2 CARSON, CA 90745
0.479 mi.
2531 ft. Site 2 of 5 in cluster W

SWF/LF S112842985
HAZNET N/A
HWTS

Relative:
Higher
Actual:
31 ft.

SWF/LF (SWIS):
Name: DOMINGUEZ GOLF DISPOSAL SITE
Address: 19822 S. MAIN ST.
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility ID: 19-AQ-5000
SWIS Number: 19-AQ-5000
Point of Contact: Dawn Liang
Is Archived: Yes
Is Closed Illegal Abandoned: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPECTRUM REAL ESTATE (Continued)

S112842985

Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Closed
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health
Regulation Status: Pre-regulation

Name: BKK DISPOSAL SITE #2 (CLOSED)
Address: 19822 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility ID: 19-AQ-0005
SWIS Number: 19-AQ-0005
Point of Contact: Dawn Liang
Is Archived: Yes
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Closed
Absorbed By: Not reported
Closed Illegal Abandoned Category: B2
EPA Federal Registry ID: Not reported
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health
Regulation Status: Unpermitted

HAZNET:

Name: SPECTRUM REAL ESTATE
Address: 19822 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907450000
Contact: ALEX GONZALES/CONTR
Telephone: 3107631423
Mailing Name: Not reported
Mailing Address: 17842 IRVINE BLVD, #120

Year: 1996
Gepaid: CAC000757104
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPECTRUM REAL ESTATE (Continued)

S112842985

Additional Info:

Year: 1996
Gen EPA ID: CAC000757104

Shipment Date: 19960131
Creation Date: 10/10/1996 0:00:00
Receipt Date: 19960201
Manifest ID: 95839766
Trans EPA ID: CAD983620402
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD028409019
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 1
Waste Quantity: 2000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: SPECTRUM REAL ESTATE
Address: 19822 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907450000
EPA ID: CAC000757104
Inactive Date: 10/25/2000
Create Date: 01/31/1996
Last Act Date: 10/25/2000
Mailing Name: Not reported
Mailing Address: 17842 IRVINE BLVD, #120
Mailing Address 2: Not reported
Mailing City,State,Zip: TUSTIN, CA 926800000
Owner Name: KEVIN SMITH
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: ALEX GONZALES/CONTR
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W100 **DOMINQUEZ GOLF COURSE**
NNE **19800 S. MAIN STREET**
1/4-1/2 **CARSON, CA 99999**
0.489 mi.
2580 ft. **Site 3 of 5 in cluster W**

SWF/LF **S124829069**
HWTS **N/A**

Relative:
Higher

Actual:
32 ft.

SWF/LF (SWIS):
Name: DOMINQUEZ GOLF COURSE
Address: 19800 S. MAIN STREET
City,State,Zip: CARSON, CA 99999
Region: STATE
Facility ID: 19-AA-5590
SWIS Number: 19-AA-5590
Point of Contact: Dawn Liang
Is Archived: Yes
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Closed
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health
Regulation Status: TBD (Pending Investigation)

HWTS:

Name: DOMINGEZ HILLS GOLF COARSE
Address: 19800 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 907450000
EPA ID: CAL000224518
Inactive Date: 06/30/2002
Create Date: 08/16/2001
Last Act Date: 04/24/2003
Mailing Name: ARMANDO TRONCOSO
Mailing Address: 19800 S MAIN ST
Mailing Address 2: Not reported
Mailing City,State,Zip: CARSON, CA 907450000
Owner Name: AMERICAN_GOLF_INC
Owner Address: 2951 28TH ST
Owner Address 2: Not reported
Owner City,State,Zip: SANTA MONICA, CA 904050000
Contact Name: ARMANDO TRONCOSO-SUP INT
Contact Address: 19800 S MAIN ST
Contact Address 2: Not reported
City,State,Zip: CARSON, CA 907450000

NAICS:

EPA ID: CAL000224518
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 71391
NAICS Description: Golf Courses and Country Clubs

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOMINQUEZ GOLF COURSE (Continued)

S124829069

Issued EPA ID Date: 2001-08-16 00:00:00
 Inactive Date: 2002-06-30 00:00:00
 Facility Name: DOMINGEZ HILLS GOLF COARSE
 Facility Address: 19800 S MAIN ST
 Facility Address 2: Not reported
 Facility City: CARSON
 Facility County: Not reported
 Facility State: CA
 Facility Zip: 907450000

W101 PORSCHE MOTORSPORT
NNE 19800 MAIN ST
1/4-1/2 CARSON, CA 90745

0.489 mi.
2580 ft.

Relative:
Higher

Actual:
32 ft.

Site 4 of 5 in cluster W

ENVIROSTOR S101295807
LUST N/A
VCP
CERS HAZ WASTE
Cortese
HIST CORTESE
LOS ANGELES CO. HMS
CERS

ENVIROSTOR:

Name: DOMINGUEZ GOLF COURSE & ADJACENT PROPERTY
 Address: 19800 S. MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Facility ID: 60000597
 Status: Active
 Status Date: 10/10/2006
 Site Code: 401853
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 81.1
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Nicholas Ta
 Supervisor: Patrick Hsieh
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 33.84899
 Longitude: -118.2771
 APN: 7336-009-006, 7336-009-008, 7336-009-009, 7336009006, 7336009008, 7336009009, 7339017003
 Past Use: LDF, LANDFILL - DOMESTIC
 Potential COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Methane Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-diesel TPH-gas TPH-JET FUEL TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Arsenic Benzene Methane Methyl tertbutyl ether (MTBE Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Acetone 1,2-Dichlorobenzene 1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 1,4-Dioxane
 Confirmed COC: Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Methane

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane
(TCA TPH-JET FUEL TPH-MOTOR OIL Trichloroethylene (TCE Vinyl chloride
30018-NO Arsenic Benzene Methane Methyl tertbutyl ether (MTBE
Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane
(TCA Trichloroethylene (TCE Vinyl chloride 1,2-Dichlorobenzene
1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene
(cis 1,2-Dichloroethylene (trans 1,4-Dioxane

Potential Description: OTH, SOIL, SV, OTH, SOIL, SV
Alias Name: Porsche Experience Center Los Angeles
Alias Type: Alternate Name
Alias Name: 7336-009-006
Alias Type: APN
Alias Name: 7336-009-008
Alias Type: APN
Alias Name: 7336-009-009
Alias Type: APN
Alias Name: 7336009006
Alias Type: APN
Alias Name: 7336009008
Alias Type: APN
Alias Name: 7336009009
Alias Type: APN
Alias Name: 7339017003
Alias Type: APN
Alias Name: 110033617682
Alias Type: EPA (FRS #)
Alias Name: 401324
Alias Type: Project Code (Site Code)
Alias Name: 401640
Alias Type: Project Code (Site Code)
Alias Name: 401853
Alias Type: Project Code (Site Code)
Alias Name: 60000597
Alias Type: Envirostor ID Number
Alias Name: <http://www.porsche.com/losangeles/experience/>
Alias Type: External Website Link / URL

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/14/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

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: 11/26/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/22/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/19/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/29/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/21/2007
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/27/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 11/21/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/08/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 11/18/2016
Comments: Fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/10/2006
Comments: Reimbursement Agreement with the Hopkins Real Estate Group was fully executed on 10/10/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/06/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/24/2016
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2015
Comments: FY 1516 Annual Oversight Cost Estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/26/2016
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/20/2007
Comments: First wk of a three week sampling event, CPT, hydropunch wk of 6/18/07-6/21/07, soil and soil gas wk of 6/25/07-6/27/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/27/2010
Comments: We had already conditionally approved the WP and were just waiting to get the revised document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/10/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/03/2011
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/26/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/29/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/01/2011
Comments: We advised the responsible party that the probe spacing was AQMD's call.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/13/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/19/2012
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/06/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/25/2013
Comments: Conditionally Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/28/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/03/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/28/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/12/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/10/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/26/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/05/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 03/18/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/27/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/04/2013
Comments: Reduced

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/13/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/29/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/30/2013
Comments: Approved by South Coast Air Quality Management District

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2014
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/01/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2014
Comments: Conditionally approved.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/25/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 05/11/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/14/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 08/11/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/25/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/08/2014
Comments: Completed

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: Monitoring Report
Completed Date: 09/22/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/29/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/27/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/17/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/16/2014
Comments: Completed. No letter necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 12/23/2014
Comments: Complete..

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/18/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/24/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 05/14/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/21/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/18/2015
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/02/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 09/23/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/14/2015
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/21/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/18/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2015
Comments: completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/02/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/16/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 09/16/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/17/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/17/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/28/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 09/19/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/14/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 06/19/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/24/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/14/2015
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/26/2015
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/25/2015
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 07/30/2015
Comments: Accepted based on opinion of Electrical Engineer of Record and Code Authority.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2013
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2013
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 03/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2014
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 12/11/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/19/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2016
Comments: Completed. AAM was discontinued after 5/14/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 07/31/2015
Comments: Reviewed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 07/07/2010
Comments: Amendment #5 fully executed. The amendment extends the term of the agreement to 10/31/2011 and amends the total maximum amount of the agreement.

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: Reimbursement Agreement
Completed Date: 06/19/2013
Comments: Executed

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 03/05/2014
Comments: Executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/08/2018
Comments: Completed and sent Watson land Company.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2018
Comments: FY 1819 Estimate: \$77,830

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/09/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/30/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/06/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/04/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/18/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/25/2016
Comments: complete

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/29/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/22/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/13/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/13/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/13/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/15/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/24/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/25/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/02/2017
Comments: completed

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/16/2017
Comments: 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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 09/15/2020
Schedule Revised Date: 01/13/2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 09/30/2020
Schedule Revised Date: 03/06/2023

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-16281
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: T0603704401
W Global ID: Not reported
Staff: JP
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: EF
Date Leak Discovered: 1/10/1994
Date Leak First Reported: 1/19/1994
Date Leak Record Entered: 2/11/1994
Date Confirmation Began: Not reported
Date Leak Stopped: 1/10/1994
Date Case Last Changed on Database: 1/22/1998
Date the Case was Closed: 2/27/1998
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: A.G.C. DOMINGUEZ HILLS GOLF
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7706.7623921822628033886581054
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 1/10/1994
Preliminary Site Assessment Began: 7/19/1994
Pollution Characterization Began: 11/7/1997
Remediation Plan Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 9/4/1997
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 1500
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: AMERICAN GOLF CORPORATION
RP Address: 1633 26TH ST., SANTA MONICA, CA 90404
Program: LUST
Lat/Long: 33.8511925 / -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: 11/07/97 WP FOR ADD'L PHASE II ENVIRON. 01/22/98
ADD'L PHASE II ENVIRON. SITE ASSESSMENT

LUST:

Name: DOMINGUEZ HILLS GOLF COURSE
Address: 19800 MAIN ST S
City,State,Zip: CARSON, CA 90745
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704401
Global Id: T0603704401
Latitude: 33.852341
Longitude: -118.2803457
Status: Completed - Case Closed
Status Date: 02/27/1998
Case Worker: JP
RB Case Number: I-16281
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: T0603704401
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: T0603704401
Contact Type: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Contact Name: JOSE PEREYRA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0603704401
Action Type: Other
Date: 01/19/1994
Action: Leak Reported

Global Id: T0603704401
Action Type: ENFORCEMENT
Date: 09/04/1997
Action: * Historical Enforcement

Global Id: T0603704401
Action Type: Other
Date: 01/10/1994
Action: Leak Discovery

Global Id: T0603704401
Action Type: Other
Date: 01/10/1994
Action: Leak Stopped

LUST:

Global Id: T0603704401
Status: Open - Case Begin Date
Status Date: 01/10/1994

Global Id: T0603704401
Status: Open - Site Assessment
Status Date: 01/10/1994

Global Id: T0603704401
Status: Open - Site Assessment
Status Date: 07/19/1994

Global Id: T0603704401
Status: Open - Site Assessment
Status Date: 11/07/1997

Global Id: T0603704401
Status: Completed - Case Closed
Status Date: 02/27/1998

VCP:

Name: DOMINGUEZ GOLF COURSE & ADJACENT PROPERTY
Address: 19800 S. MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 60000597
Site Type: Voluntary Cleanup

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 81.1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Nicholas Ta
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Site Code: 401853
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 10/10/2006
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.84899 / -118.2771
APN: 7336-009-006, 7336-009-008, 7336-009-009, 7336009006, 7336009008, 7336009009, 7339017003
Past Use: LDF, LANDFILL - DOMESTIC
Potential COC: 30001, 30003, 30005, 30015, 30018, 30022, 30024, 30025, 3002501, 3002502, 30026, 30027, 30028, 30001, 30003, 30015, 30016, 30022, 30024, 30025, 30026, 30027, 30028, 30032, 30185, 30193, 30194, 30195, 30196, 30246
Confirmed COC: 30001,30003,30005,30015,30022,30024,30025,30026,3002501,3002502,30027, 30028,30018-NO,, ,30001,30003,30015,30016,30022,30024,30025,30026,30027,30028,30185, 30193,30194,30195,30196,30246
Potential Description: OTH, SOIL, SV, OTH, SOIL, SV
Alias Name: Porsche Experience Center Los Angeles
Alias Type: Alternate Name
Alias Name: 7336-009-006
Alias Type: APN
Alias Name: 7336-009-008
Alias Type: APN
Alias Name: 7336-009-009
Alias Type: APN
Alias Name: 7336009006
Alias Type: APN
Alias Name: 7336009008
Alias Type: APN
Alias Name: 7336009009
Alias Type: APN
Alias Name: 7339017003
Alias Type: APN
Alias Name: 110033617682
Alias Type: EPA (FRS #)
Alias Name: 401324
Alias Type: Project Code (Site Code)
Alias Name: 401640
Alias Type: Project Code (Site Code)
Alias Name: 401853
Alias Type: Project Code (Site Code)
Alias Name: 60000597
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Alias Name: <http://www.porsche.com/losangeles/experience/>
Alias Type: External Website Link / URL

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 08/14/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/16/2018
Comments: Completed

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: 11/26/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/22/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/19/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/29/2019
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/21/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/13/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 10/27/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 11/21/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/08/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 11/18/2016
Comments: Fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/10/2006
Comments: Reimbursement Agreement with the Hopkins Real Estate Group was fully executed on 10/10/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/11/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/06/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/24/2016
Comments: Completed and sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2015
Comments: FY 1516 Annual Oversight Cost Estimate.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/26/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/20/2007
Comments: First wk of a three week sampling event, CPT, hydropunch wk of 6/18/07-6/21/07, soil and soil gas wk of 6/25/07-6/27/07

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/27/2010
Comments: We had already conditionally approved the WP and were just waiting to get the revised document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/10/2011
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/03/2011
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/26/2012
Comments: Approved

Completed Area Name: PROJECT WIDE

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/29/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/01/2011
Comments: We advised the responsible party that the probe spacing was AQMD's call.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/13/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/19/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/06/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/25/2013
Comments: Conditionally Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/28/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/03/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/28/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 12/12/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/10/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/26/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/05/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/18/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/27/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/04/2013
Comments: Reduced

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/13/2013
Comments: Conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/29/2012
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/30/2013
Comments: Approved by South Coast Air Quality Management District

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2014
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/01/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2014
Comments: Conditionally approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/25/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 05/11/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 07/14/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/18/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/25/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/08/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2014
Comments: Completed

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/22/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/29/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/13/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/20/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/27/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/17/2014
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 11/24/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/16/2014
Comments: Completed. No letter necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Complete..

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2015
Comments: Completed

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/18/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/06/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/19/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/24/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 04/14/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/21/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/18/2015
Comments: Completed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/02/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/29/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 08/26/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/23/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/01/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/14/2015
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/21/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/28/2015
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/04/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/12/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/18/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2015
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/02/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/16/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 09/16/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/17/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/17/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/28/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 09/19/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 11/14/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/09/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 06/19/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/24/2015
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/14/2015
Comments: Accepted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/26/2015
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 08/25/2015
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 07/30/2015
Comments: Accepted based on opinion of Electrical Engineer of Record and Code Authority.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2013
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Document Type: Monitoring Report
Completed Date: 11/30/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2014
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/31/2014
Comments: Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 06/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/30/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/31/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/11/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2015
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/17/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/19/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2016
Comments: complete

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2016
Comments: Completed. AAM was discontinued after 5/14/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 07/31/2015
Comments: Reviewed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Date: 02/10/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 07/07/2010
Comments: Amendment #5 fully executed. The amendment extends the term of the agreement to 10/31/2011 and amends the total maximum amount of the agreement.

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: Reimbursement Agreement
Completed Date: 06/19/2013
Comments: Executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 03/05/2014
Comments: Executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/08/2018
Comments: Completed and sent Watson land Company.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2018
Comments: FY 1819 Estimate: \$77,830

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/09/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/16/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/23/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/30/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/06/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/27/2016
Comments: completed

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/04/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/18/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/25/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2016
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2016
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/15/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/22/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/29/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2016

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/22/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/13/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/13/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/13/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 09/15/2016
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/27/2017
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/24/2016
Comments: Completed

Completed Area Name: PROJECT WIDE

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Database(s)

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EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/25/2017
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/27/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/02/2017
Comments: completed

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: 08/16/2017
Comments: 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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 09/15/2020
Schedule Revised Date: 01/13/2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 09/30/2020
Schedule Revised Date: 03/06/2023

CERS HAZ WASTE:

Name: PORSCHE MOTORSPORT
Address: 19800 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 416250
CERS ID: 10722550
CERS Description: Hazardous Waste Generator

CORTESE:

Name: DOMINGUEZ HILLS GOLF COURSE
Address: 19800 MAIN ST S
City,State,Zip: CARSON, CA 90745

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Database(s)

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PORSCHE MOTORSPORT (Continued)

S101295807

Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704401
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: DOMINGUEZ HILLS GOLF COUR
edr_fadd1: 19800 MAIN
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-16281

LOS ANGELES CO. HMS:

Name: PORSCHE EXPERIENCE CENTER LA
Address: 19800 MAIN ST
City,State,Zip: CARSON, CA 907451014
Region: LA
Permit Category: I
Facility Id: 033828-057916
Facility Type: 01
Facility Status: Permit
Area: 22
Permit Number: 000802047
Permit Status: Permit

Name: PORSCHE EXPERIENCE CENTER LA
Address: 19800 MAIN ST
City,State,Zip: CARSON, CA 907451014
Region: LA
Permit Category: I
Facility Id: 033828-057916
Facility Type: S4
Facility Status: Permit
Area: 22
Permit Number: 000804493
Permit Status: Permit

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Name: DOMINGUEZ HILLS GOLF COURSE
Address: 19800 MAIN ST
City,State,Zip: CARSON, CA 907451014
Region: LA
Permit Category: T
Facility Id: 015207-016281
Facility Type: 1
Facility Status: Removed
Area: 22
Permit Number: 000075550
Permit Status: Removed

CERS:

Name: DOMINGUEZ HILLS GOLF COURSE
Address: 19800 MAIN ST S
City,State,Zip: CARSON, CA 90745
Site ID: 225690
CERS ID: T0603704401
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOSE PEREYRA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: PORSCHE MOTORSPORT
Address: 19800 MAIN ST
City,State,Zip: CARSON, CA 90745
Site ID: 416250
CERS ID: 10722550
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 416250
Site Name: Porsche Motorsport
Violation Date: 07-10-2017
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The site map

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Database(s)

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PORSCHE MOTORSPORT (Continued)

S101295807

submitted to the California Environmental Reporting System (CERS) for CERS ID 10722550 on 6/5/2017 did not include all required content, i.e., adjacent streets, storm and sewer drains, all emergency shut offs, i.e., water and gas shutoffs, and all emergency response equipment, i.e., fire extinguishers and spill kit(s). CORRECTIVE ACTION: Complete and electronically submit a site map with all required content to CERS.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 416250
Site Name: Porsche Motorsport
Violation Date: 07-10-2017
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The Hazardous Materials Inventory submitted to the California Environmental Reporting System (CERS) for CERS ID 10722550 on 6/5/2017 showed information that was not supported by inspection, i.e., for argon the maximum daily amount was reported as 500 cubic feet instead of 250 cubic feet, for used oil the largest container was reported as 120 gallons instead of 250 gallons, for waste coolant the largest container was reported as 120 gallons instead of 125 gallons, and for gasoline the maximum daily amount was reported as 385 gallons instead of 605 gallons. CORRECTIVE ACTION: Revise the Hazardous Materials inventory as indicated and resubmit to CERS.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 416250
Site Name: Porsche Motorsport
Violation Date: 07-10-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violation Notes: Returned to compliance on 07/19/2017. OBSERVATION: The Business Activities Page page submitted to the California Environmental Reporting System (CERS) for CERS ID 10722550 on 6/5/17 shows the facility's EPA ID number is CAC002870442. However, records indicate the facility's EPA ID is CAL000423422. CORRECTIVE ACTION: Revise the Business Activities page as indicated and electronically submit the Business Activities page to CERS.

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 416250
Site Name: Porsche Motorsport
Violation Date: 08-24-2020
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1

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PORSCHE MOTORSPORT (Continued)

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Violation Description: Failure to maintain a valid permit.
Violation Notes: Returned to compliance on 08/24/2020. OBSERVATION: Failure to maintain a valid permit. CORRECTIVE ACTION: Obtain and maintain valid permit. Facility permitted for APSA permit & violation corrected on site.

Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 416250
Site Name: Porsche Motorsport
Violation Date: 08-24-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes: OBSERVATION: Failure to prepare SPCC. CORRECTIVE ACTION: Prepare SPCC.
Violation Division: Los Angeles County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 416250
Site Name: Porsche Motorsport
Violation Date: 07-10-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/10/2017. OBSERVATION: A 5-gallon container of used oil located in the clean/check room was observed with a hazardous waste label that was faded and illegible. All hazardous waste containers must be marked with the following information: (1) the words "Hazardous Waste"; (2) the name and address of the generator; (3) contents/composition; (4) physical state; (5) hazardous properties; and (6) accumulation start date CORRECTIVE ACTION: None. The container was marked with all the required information at the time of inspection.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Tom LeClair, Workshop Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Eval Notes: Tom LeClair, Workshop Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-24-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Dustin Udell, Technician Tasha Carouthers, Facility Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-24-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Dustin Udell, Technician Tasha Carouthers, Facility Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-24-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Dustin Udell, Technician Tasha Carouthers, Facility Manager
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS

Coordinates:
Site ID: 416250
Facility Name: Porsche Motorsport
Env Int Type Code: HMBP
Program ID: 10722550
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.850630
Longitude: -118.280280

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Erik Skirmants
Entity Title: Not reported
Affiliation Address: 19800 Main Street

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Erik Skirmants
Entity Title: Workshop Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Porsche Motorsport
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (770) 290-7050

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: C. Pestolis, KPA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 19800 Main Street
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90745
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PORSCHE MOTORSPORT (Continued)

S101295807

Entity Name: Porsche
 Entity Title: Not reported
 Affiliation Address: 19800 Main Street
 Affiliation City: Carson
 Affiliation State: CA
 Affiliation Country: United States
 Affiliation Zip: 90745
 Affiliation Phone: (770) 290-7050

Affiliation Type Desc: Parent Corporation
 Entity Name: Porsche Motorsport
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

W102
NNE
1/4-1/2
0.489 mi.
2580 ft.

PORSHE MOTORSPORT NORTH AMERICA
19800 S MAIN ST
CARSON, CA 90745

ENVIROSTOR
VCP
HAZNET
HWTS

S123635119
N/A

Site 5 of 5 in cluster W

Relative:
Higher
Actual:
32 ft.

ENVIROSTOR:
 Name: SOUTHERN CALIFORNIA EDISON EASEMENT
 Address: 19800 S. MAIN STREET
 City,State,Zip: CARSON, CA 90745
 Facility ID: 60002821
 Status: No Further Action
 Status Date: 02/25/2020
 Site Code: 401853
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 0.1
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Emad Yemut
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: , 64
 Senate: , 35
 Special Program: Voluntary Cleanup Program
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 33.85213
 Longitude: -118.2801
 APN: 7339017910
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 7339017910
 Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSHE MOTORSPORT NORTH AMERICA (Continued)

S123635119

Alias Name: 401853
Alias Type: Project Code (Site Code)
Alias Name: 60002821
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/14/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/15/2019
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/26/2019
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/20/2019
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/22/2018
Comments: VCA executed. Advance Payment of \$29,188 due by 11/01/2018

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:

Name: SOUTHERN CALIFORNIA EDISON EASEMENT
Address: 19800 S. MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 60002821

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSHE MOTORSPORT NORTH AMERICA (Continued)

S123635119

Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401853
Assembly: , 64
Senate: , 35
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 02/25/2020
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85213 / -118.2801
APN: 7339017910
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7339017910
Alias Type: APN
Alias Name: 401853
Alias Type: Project Code (Site Code)
Alias Name: 60002821
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/14/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/15/2019
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/26/2019
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/20/2019
Comments: Accepted

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSHE MOTORSPORT NORTH AMERICA (Continued)

S123635119

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/22/2018
Comments: VCA executed. Advance Payment of \$29,188 due by 11/01/2018

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

HAZNET:

Name: PORSHE MOTORSPORT NORTH AMERICA
Address: 19800 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
Contact: BRIAN BLOCKER
Telephone: 7702907057
Mailing Name: Not reported
Mailing Address: 19800 S MAIN ST

Year: 2019
Gepaid: CAL000423422
TSD EPA ID: CAD028409019
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.02800

Year: 2019
Gepaid: CAL000423422
TSD EPA ID: CAD028409019
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00000

Year: 2019
Gepaid: CAL000423422
TSD EPA ID: CAD028409019
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 5.25000

Year: 2019
Gepaid: CAL000423422
TSD EPA ID: CAD028409019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSHE MOTORSPORT NORTH AMERICA (Continued)

S123635119

| | |
|------------------|--|
| CA Waste Code: | 181 - Other inorganic solid waste |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.49500 |
| Year: | 2019 |
| Gepaid: | CAL000423422 |
| TSD EPA ID: | CAD028409019 |
| CA Waste Code: | 352 - Other organic solids |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.38500 |
| Year: | 2019 |
| Gepaid: | CAL000423422 |
| TSD EPA ID: | CAD028409019 |
| CA Waste Code: | 223 - Unspecified oil-containing waste |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.75060 |
| Year: | 2018 |
| Gepaid: | CAL000423422 |
| TSD EPA ID: | CAD097030993 |
| CA Waste Code: | 352 - Other organic solids |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.10000 |
| Year: | 2017 |
| Gepaid: | CAL000423422 |
| TSD EPA ID: | CAT080013352 |
| CA Waste Code: | 223 - Unspecified oil-containing waste |
| Disposal Method: | H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect |
| Tons: | 0.06255 |
| Year: | 2017 |
| Gepaid: | CAL000423422 |
| TSD EPA ID: | CAD097030993 |
| CA Waste Code: | 352 - Other organic solids |
| Disposal Method: | H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.05 |
| Additional Info: | |
| Year: | 2017 |
| Gen EPA ID: | CAL000423422 |
| Shipment Date: | 20170921 |
| Creation Date: | 5/30/2018 18:34:06 |
| Receipt Date: | 20170925 |
| Manifest ID: | 017728843JJK |
| Trans EPA ID: | CAD028277036 |
| Trans Name: | ASBURY ENVIRONMENTAL SERVICES |
| Trans 2 EPA ID: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORSHE MOTORSPORT NORTH AMERICA (Continued)

S123635119

Trans 2 Name: Not reported
TSDf EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170717
Creation Date: 6/20/2018 18:30:25
Receipt Date: 20170719
Manifest ID: 017445956JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

Quantity Tons: 0.06255
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: PORSHE MOTORSPORT NORTH AMERICA
Address: 19800 S MAIN ST
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
EPA ID: CAL000423422
Inactive Date: Not reported
Create Date: 12/28/2016
Last Act Date: 07/20/2020
Mailing Name: Not reported
Mailing Address: 19800 S MAIN ST
Mailing Address 2: Not reported
Mailing City,State,Zip: CARSON, CA 90745
Owner Name: PORSHE AG

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PORSHE MOTORSPORT NORTH AMERICA (Continued)

S123635119

Owner Address: PORSCHESTRABE 911
 Owner Address 2: Not reported
 Owner City,State,Zip: WEISSACH, 99 71287
 Contact Name: BRIAN BLOCKER
 Contact Address: 19800 S MAIN ST
 Contact Address 2: Not reported
 City,State,Zip: CARSON, CA 90745

NAICS:
 EPA ID: CAL000423422
 Create Date: 2016-12-28 10:51:58.887
 NAICS Code: 441229
 NAICS Description: All Other Motor Vehicle Dealers
 Issued EPA ID Date: 2016-12-28 10:51:58.80300
 Inactive Date: Not reported
 Facility Name: PORSHE MOTORSPORT NORTH AMERICA
 Facility Address: 19800 S MAIN ST
 Facility Address 2: Not reported
 Facility City: CARSON
 Facility County: Not reported
 Facility State: CA
 Facility Zip: 90745

X103
North
1/4-1/2
0.496 mi.
2619 ft.

PEPSI-COLA
19700 FIGUEROA ST S
CARSON, CA 90745
Site 1 of 2 in cluster X

LUST **S105034349**
Cortese **N/A**
CERS

Relative:
Higher
Actual:
32 ft.

LUST REG 4:
 Region: 4
 Regional Board: 04
 County: Los Angeles
 Facility Id: I-05999
 Status: Case Closed
 Substance: Diesel
 Substance Quantity: Not reported
 Local Case No: Not reported
 Case Type: Groundwater
 Abatement Method Used at the Site: Not reported
 Global ID: T0603703151
 W Global ID: Not reported
 Staff: UNK
 Local Agency: 19000
 Cross Street: MAIN ST
 Enforcement Type: Not reported
 Date Leak Discovered: 8/9/1990
 Date Leak First Reported: 9/5/1990
 Date Leak Record Entered: 12/3/1990
 Date Confirmation Began: Not reported
 Date Leak Stopped: 8/9/1990
 Date Case Last Changed on Database: 4/15/1997
 Date the Case was Closed: 11/19/1996
 How Leak Discovered: Tank Closure
 How Leak Stopped: Not reported
 Cause of Leak: UNK
 Leak Source: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPSI-COLA (Continued)

S105034349

Operator: WELLS, RON
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8660.530891170595333435539621
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/12/1990
Preliminary Site Assessment Began: 8/9/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 9/6/1996
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 170
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: PEPSI-COLA
RP Address: 19700 S FIGUEROA ST, CARSON, CA 90745
Program: LUST
Lat/Long: 33.8527555 / -118.283698
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

LUST:

Name: PEPSI-COLA CARSON FAC.
Address: 19700 FIGUEROA ST. S.
City,State,Zip: CARSON, CA 90745
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603748324
Global Id: T0603748324
Latitude: 33.852169
Longitude: -118.283698
Status: Completed - Case Closed
Status Date: 03/18/2008
Case Worker: NB
RB Case Number: I-05999A
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: T0603748324
Contact Type: Local Agency Caseworker
Contact Name: ABIGAIL FLORES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPSI-COLA (Continued)

S105034349

Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

Global Id: T0603748324
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:

Global Id: T0603748324
Action Type: Other
Date: 11/15/2006
Action: Leak Reported

Global Id: T0603748324
Action Type: RESPONSE
Date: 10/15/2007
Action: Other Report / Document

Global Id: T0603748324
Action Type: ENFORCEMENT
Date: 07/30/2007
Action: Staff Letter

Global Id: T0603748324
Action Type: Other
Date: 11/15/2006
Action: Leak Discovery

Global Id: T0603748324
Action Type: ENFORCEMENT
Date: 03/18/2008
Action: Closure/No Further Action Letter

LUST:

Global Id: T0603748324
Status: Open - Case Begin Date
Status Date: 11/15/2006

Global Id: T0603748324
Status: Open - Site Assessment
Status Date: 11/15/2006

Global Id: T0603748324
Status: Completed - Case Closed
Status Date: 03/18/2008

Name: PEPSI-COLA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPSI-COLA (Continued)

S105034349

Address: 19700 FIGUEROA ST S
City,State,Zip: CARSON, CA 90745
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703151
Global Id: T0603703151
Latitude: 33.8527555
Longitude: -118.2831487
Status: Completed - Case Closed
Status Date: 11/19/1996
Case Worker: YR
RB Case Number: I-05999
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: L397880
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603703151
Contact Type: Local Agency Caseworker
Contact Name: ABIGAIL FLORES
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

Global Id: T0603703151
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: T0603703151
Action Type: Other
Date: 09/05/1990
Action: Leak Reported

Global Id: T0603703151
Action Type: Other
Date: 08/09/1990
Action: Leak Discovery

Global Id: T0603703151
Action Type: Other
Date: 08/09/1990
Action: Leak Stopped

LUST:

Global Id: T0603703151
Status: Open - Case Begin Date

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPSI-COLA (Continued)

S105034349

Status Date: 07/12/1990

Global Id: T0603703151
Status: Open - Site Assessment
Status Date: 07/12/1990

Global Id: T0603703151
Status: Open - Site Assessment
Status Date: 08/09/1990

Global Id: T0603703151
Status: Open - Remediation
Status Date: 09/06/1996

Global Id: T0603703151
Status: Completed - Case Closed
Status Date: 11/19/1996

CORTESE:

Name: PEPSI-COLA
Address: 19700 FIGUEROA ST S
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603703151
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: PEPSI-COLA CARSON FAC.
Address: 19700 FIGUEROA ST. S.
City,State,Zip: CARSON, CA 90745
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603748324
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPSI-COLA (Continued)

S105034349

Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: PEPSI-COLA CARSON FAC.
Address: 19700 FIGUEROA ST. S.
City,State,Zip: CARSON, CA 90745
Site ID: 252466
CERS ID: T0603748324
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ABIGAIL FLORES - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766703

Name: PEPSI-COLA
Address: 19700 FIGUEROA ST S
City,State,Zip: CARSON, CA 90745
Site ID: 187961
CERS ID: T0603703151
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ABIGAIL FLORES - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PEPSI-COLA (Continued)

S105034349

Affiliation Zip: Not reported
 Affiliation Phone: Not reported

 Affiliation Type Desc: Regional Board Caseworker
 Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
 Entity Title: Not reported
 Affiliation Address: 320 W. 4TH ST., SUITE 200
 Affiliation City: Los Angeles
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

X104
 North
 1/4-1/2
 0.496 mi.
 2619 ft.

CITY OF CARSON - PEPSI BOTTLING GROUP
19700 FIGUEROA
CARSON, CA 90745

CPS-SLIC S106387033
N/A

Site 2 of 2 in cluster X

Relative:
Higher

Actual:
32 ft.

SLIC REG 4:
 Region: 4
 Facility Status: Site Assessment
 SLIC: 0496D3
 Substance: Not reported
 Staff: SSH

Y105
 WNW
 1/2-1
 0.504 mi.
 2659 ft.

DEL AMO HAZ WSTE
HARBOR, CA

ENVIROSTOR S107736211
N/A

Site 1 of 2 in cluster Y

Relative:
Higher

Actual:
37 ft.

ENVIROSTOR:
 Name: DEL AMO HAZ WSTE
 Address: Not reported
 City,State,Zip: HARBOR, CA
 Facility ID: 80000628
 Status: Inactive - Needs Evaluation
 Status Date: 07/01/2005
 Site Code: Not reported
 Site Type: Military Evaluation
 Site Type Detailed: FUDS
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Douglas Bautista
 Division Branch: Cleanup Cypress
 Assembly: 66
 Senate: 35
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO HAZ WSTE (Continued)

S107736211

Latitude: 33.84583
Longitude: -118.2930
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F591200
Alias Type: Federal Facility ID
Alias Name: J09CA1015
Alias Type: INPR
Alias Name: 80000628
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 05/26/1994
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

Y106
WNW
1/2-1
0.507 mi.
2675 ft.

**DEL AMO HAZARDOUS WASTE
TORRANCE, CA
Site 2 of 2 in cluster Y**

**FUDS 1024903802
N/A**

**Relative:
Higher
Actual:
37 ft.**

FUDS:
EPA Region: 09
Installation ID: CA99799F591200
Congressional District Number: 43
Facility Name: DEL AMO HAZARDOUS WASTE
FUDS Number: J09CA1015
City: TORRANCE
State: CA
County: LOS ANGELES
Object ID: 1945
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Other
EMS Map Link: <https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61313>
Eligibility: Ineligible
Has Projects: No
NPL Status: Not Listed
Latitude: 33.845833329999898
Longitude: -118.2930555599999

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

107
 NNW
 1/2-1
 0.508 mi.
 2680 ft.

**FIRST IMAGE MANAGEMENT CO.
 19701 S. HAMILTON AVENUE #130
 TORRANCE, CA 90508**

**ENVIROSTOR S110493842
 N/A**

**Relative:
 Higher
 Actual:
 27 ft.**

ENVIROSTOR:
 Name: FIRST IMAGE MANAGEMENT CO.
 Address: 19701 S. HAMILTON AVENUE #130
 City,State,Zip: TORRANCE, CA 90508
 Facility ID: 71003267
 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: Not reported
 Senate: Not reported
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.85174
 Longitude: -118.2873
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CAL000060870
 Alias Type: EPA Identification Number
 Alias Name: 71003267
 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

108
SE
1/2-1
0.553 mi.
2922 ft.

MARTIN ADAMS DUMP
213 ST TO 21111 DOLORES
CARSON, CA 90745

SEMS 1000412290
ENVIROSTOR CAD981399520
SWF/LF
CHMIRS
CERS
LOS ANGELES CO LF METHANE

Relative:
Lower

SEMS:

Actual:
25 ft.

Site ID: 0902315
EPA ID: CAD981399520
Name: MARTIN ADAMS DUMP
Address: 213 ST TO 21111 DOLORES
Address 2: Not reported
City,State,Zip: CARSON, CA 90745
Cong District: 31
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:

Region: 09
Site ID: 0902315
EPA ID: CAD981399520
Site Name: MARTIN ADAMS DUMP
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1987-12-01 05:00:00
Finish Date: 12/1/1987 5:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902315
EPA ID: CAD981399520
Site Name: MARTIN ADAMS DUMP
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1989-09-12 04:00:00
Finish Date: 9/12/1989 4:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902315
EPA ID: CAD981399520
Site Name: MARTIN ADAMS DUMP
NPL: N
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1988-06-01 04:00:00
Finish Date: 6/1/1988 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902315
EPA ID: CAD981399520
Site Name: MARTIN ADAMS DUMP
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2013-07-01 05:00:00
Finish Date: 10/1/2014 5:00:00 AM
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902315
EPA ID: CAD981399520
Site Name: MARTIN ADAMS DUMP
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-05-01 04:00:00
Finish Date: 5/1/1986 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902315
EPA ID: CAD981399520
Site Name: MARTIN ADAMS DUMP
NPL: N
FF: N
OU: 00
Action Code: ES
Action Name: ESI
SEQ: 1
Start Date: 1995-09-27 04:00:00
Finish Date: 11/12/2002 5:00:00 AM
Qual: L
Current Action Lead: St Perf

ENVIROSTOR:

Name: MARTIN ADAMS DUMP
Address: 21111 DOLORES STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

City,State,Zip: CARSON, CA 90745
Facility ID: 19530002
Status: Inactive - Needs Evaluation
Status Date: 10/04/2018
Site Code: 400551
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 20
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.83688
Longitude: -118.2726
APN: NONE SPECIFIED
Past Use: LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC: * UNSPECIFIED ACID SOLUTION * OTHER SPENT CATALYST Benzene Methane Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Acetone Carbon tetrachloride Chlorobenzene Cyclohexane 1,2-Dichloroethylene (cis Ethylbenzene Methyl ethyl ketone (2-Butanone Toluene Xylenes
Confirmed COC: 20013-NO 10193-NO Benzene Methane Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Acetone Cyclohexane 1,2-Dichloroethylene (cis Ethylbenzene Toluene Carbon tetrachloride Xylenes Vinyl chloride Trichloroethylene (TCE Methyl ethyl ketone (2-Butanone Chlorobenzene
Potential Description: IA, SOIL, SV
Alias Name: IMPERIAL CARSON MOBILE ESTATES TRAILR PK
Alias Type: Alternate Name
Alias Name: CAD981399520
Alias Type: EPA Identification Number
Alias Name: 400551
Alias Type: Project Code (Site Code)
Alias Name: 19530002
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Site Inspection (SI) Report
Completed Date: 02/10/1998
Comments: Sampled soil and groundwater and used results to prepare an Expanded Site Inspection Report (ESI) per USEPA standards. ESI sent to U.S. EPA.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/12/1989
Comments: SITE SCREENING DONE EPA COMPLETED SCREENING SITE INSPECTION AND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

RECOMMEND LISTING SITE INSPECTION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/22/2006
Comments: Site Screening Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/15/1981
Comments: FACILITY IDENTIFIED CO ENGR. INDEX

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 05/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/14/2016
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

SWF/LF (SWIS):

Name: IMPERIAL CARSON MOBILE HOME PARK
Address: 21111 DELORES STREET
City,State,Zip: CARSON, CA 90745
Region: STATE
Facility ID: 19-AQ-0006
SWIS Number: 19-AQ-0006
Point of Contact: Dawn Liang
Is Archived: No
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Closed
Absorbed By: Not reported
Closed Illegal Abandoned Category: C1
EPA Federal Registry ID: Not reported
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Carson
Reporting Agency Legal Name: County of Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

| | |
|---------------------------------------|----------------------------------|
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Regulation Status: | Pre-regulation |
| Activity: | |
| SWIS Number: | 19-AQ-0006 |
| Site Name: | Imperial Carson Mobile Home Park |
| Activity: | Solid Waste Disposal Site |
| Activity Is Archived: | No |
| Category: | Disposal |
| Activity Classification: | Solid Waste Disposal Site |
| WDR Number: | Not reported |
| WDR Landfill Class: | Not reported |
| Cease Operation: | 12/31/1958 |
| Cease Operation Type: | Estimated |
| Inspection Frequency: | Quarterly |
| Throughput: | Not reported |
| Throughput Units: | Not reported |
| Remaining Capacity: | Not reported |
| Remaining Capacity Date: | Not reported |
| Capacity: | Not reported |
| Capacity Units: | Not reported |
| Total Acreage: | 20 |
| Disposal Acreage: | 20 |
| Permitted Elevation: | Not reported |
| Permitted Elevation Type: | Not reported |
| Permitted Depth: | Not reported |
| Permitted Depth Type: | Not reported |
| Point of Contact: | Dawn Liang |
| Site Operational Status: | Closed |
| Site Regulatory Status: | Pre-regulation |
| Site Is Archived: | No |
| Is Closed Illegal Abandoned: | Yes |
| Is Site Inert Debris Engineered Fill: | No |
| Is Financial Assurances Responsible: | No |
| Absorbed On: | Not reported |
| Absorbed By: | Not reported |
| Closed Illegal Abandoned Category: | C1 |
| EPA Federal Registry ID: | Not reported |
| County: | Los Angeles |
| ARB District: | South Coast |
| SWRCB Region: | Los Angeles |
| Local Government: | Carson |
| Street Address: | 21111 Delores Street |
| City: | Carson |
| State: | CA |
| ZIP Code: | 90745 |
| Reporting Agency Legal Name: | County of Los Angeles |
| Reporting Agency Department: | Department of Public Health |
| Enforcing Agency Legal Name: | County of Los Angeles |
| Enforcing Agency Department: | Department of Public Health |
| Operator: | |
| SWIS Number: | 19-AQ-0006 |
| Site Name: | Imperial Carson Mobile Home Park |
| Site Operational Status: | Closed |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

Site Type: Disposal Only
Site Regulatory Status: Pre-regulation
Latitude: 33.83694
Longitude: -118.27278
Is Archived: No
Operator: Charles Cha
Started On: 6/14/2018
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (301) 326-3150
Street Address: 2336 W. 230th Place
Operator City: Torrance
Operator State: CA
Operator Zip: 90501

Owner:

SWIS Number: 19-AQ-0006
Owner: Charles Cha
Owner Address: 2336 W. 230th Place
Owner City: Torrance
Owner State: CA
Owner Zip: 90501
Site Name: Imperial Carson Mobile Home Park
Site Operational Status: Closed
Site Type: Disposal Only
Site Regulatory Status: Pre-regulation
Latitude: 33.83694
Longitude: -118.27278
Is Archived: No
Started On: 6/14/2018
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (301) 326-3150

LOS ANGELES CO. LF:

Name: IMPERIAL CARSON MOBILE HOME PARK
Address: 21111 DELORES STREET
City,State,Zip: CARSON, CA 90745
Site ID: 1963
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Unknown
Site SWIS Number: 19-AQ-0006
Beginning Operation Date: 1948
Ending Operation Date: Dec-58
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 34
Permitted Capacity: Not reported
Present Use: Residential
Remaining Capacity(Million): Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

Status: Closed
Waste Accepted: Commercial; Inert; Liquid; Residential
Hours of Operation: Not reported
Disposal Area (Acre): 20

Detail As Of 01/2014:

Operator Name: M. Adams
Operator Address: 12910 Figaro Drive
Operator City/State/Zip: HUSTON, TX 77024
Operator Contact: Not reported
Operator Telephone: (713) 465-2347
Operator Email: Not reported
Owner Name: Coogan-Browning Reality
Owner Address: 2009 Swan Drive
Owner City/State/Zip: Costa Mesa, CA 92626
Owner Contact: Wayne Browning
Owner Telephone: (714) 546-9911
Owner Email: Not reported

CHMIRS:

Name: Not reported
Address: 21111 DELORES ST
City,State,Zip: CARSON, CA
OES Incident Number: 10-7307
OES notification: 12/06/2010
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Yes
Waterway: storm drain
Spill Site: Residence
Cleanup By: Contractor
Containment: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

| | |
|------------------------|---|
| What Happened: | Not reported |
| Type: | Not reported |
| Measure: | Unknown |
| Other: | Not reported |
| Date/Time: | 1000 |
| Year: | 2010 |
| Agency: | City of Carson |
| Incident Date: | 12/6/2010 |
| Admin Agency: | LACoFD Health Haz-Mat |
| Amount: | Not reported |
| Contained: | Unknown |
| Site Type: | storm drain |
| E Date: | Not reported |
| Substance: | Sewage |
| Unknown: | Not reported |
| Substance #2: | Not reported |
| Substance #3: | Not reported |
| Evacuations: | Not reported |
| Number of Injuries: | Not reported |
| Number of Fatalities: | Not reported |
| #1 Pipeline: | Not reported |
| #2 Pipeline: | Not reported |
| #3 Pipeline: | Not reported |
| #1 Vessel >= 300 Tons: | Not reported |
| #2 Vessel >= 300 Tons: | Not reported |
| #3 Vessel >= 300 Tons: | Not reported |
| Evacs: | Not reported |
| Injuries: | Not reported |
| Fatals: | Not reported |
| Comments: | Not reported |
| Description: | The caller is reporting a sewage spill from a private residence. The sewage spilled into the gutter and into a storm drain. The storm drain has been diked off. |

CERS:

| | |
|-------------------|--|
| Name: | DOLORES STREET DISPOSAL SITE |
| Address: | 21111 DELORES STREET |
| City,State,Zip: | CARSON, CA 90745-1322 |
| Site ID: | 464870 |
| CERS ID: | 110014001533 |
| CERS Description: | US EPA Air Emission Inventory System (EIS) |

| | |
|-------------------|----------------------------------|
| Name: | IMPERIAL CARSON MOBILE HOME PARK |
| Address: | 21111 DELORES STREET |
| City,State,Zip: | CARSON, CA |
| Site ID: | 509333 |
| CERS ID: | 19-AQ-0006 |
| CERS Description: | Solid Waste and Recycle Sites |

Affiliation:

| | |
|------------------------|----------------|
| Affiliation Type Desc: | Legal Operator |
| Entity Name: | Charles Cha |
| Entity Title: | Not reported |
| Affiliation Address: | Not reported |
| Affiliation City: | Torrance |
| Affiliation State: | CA |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARTIN ADAMS DUMP (Continued)

1000412290

Affiliation Country: Not reported
Affiliation Zip: 90501
Affiliation Phone: 3013263150

Affiliation Type Desc: Legal Owner
Entity Name: Charles Cha
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Torrance
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90501
Affiliation Phone: 3013263150

LOS ANGELES CO LF METHANE:

Name: IMPERIAL CARSON MOBILE HOME PARK
Address: 21111 DELORES STREET
City,State,Zip: CARSON, CA 90745
Site Number: 1963
Status: Closed
Description: Unknown
Operator Name: M. Adams
Operator Telephone: (713) 465-2347

109
NNE
1/2-1
0.555 mi.
2930 ft.

**NORTH CARSON AREA SITE DISCOVERY PROJECT
VICINITY OF I-405 FREEWAY AND MAIN STREET
CARSON, CA 90745**

ENVIROSTOR S118757287
N/A

Relative:
Higher
Actual:
41 ft.

ENVIROSTOR:
Name: NORTH CARSON AREA SITE DISCOVERY PROJECT
Address: VICINITY OF I-405 FREEWAY AND MAIN STREET
City,State,Zip: CARSON, CA 90745
Facility ID: 60002068
Status: No Action Required
Status Date: 08/11/2015
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 275
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.85256
Longitude: -118.2802
APN: NONE SPECIFIED

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NORTH CARSON AREA SITE DISCOVERY PROJECT (Continued)

S118757287

Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 60002068
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: PA/SI Discovery
 Completed Date: 09/05/2014
 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

**Z110
 NW
 1/2-1
 0.625 mi.
 3300 ft.**

**DOW CHEMICALS CO.
 TORRANCE, CA
 Site 1 of 2 in cluster Z**

**ENVIROSTOR S107736233
 N/A**

**Relative:
 Higher
 Actual:
 40 ft.**

ENVIROSTOR:
 Name: DOW CHEMICALS CO.
 Address: Not reported
 City,State,Zip: TORRANCE, CA
 Facility ID: 80001003
 Status: Inactive - Needs Evaluation
 Status Date: 08/15/2018
 Site Code: Not reported
 Site Type: Military Evaluation
 Site Type Detailed: FUDS
 Acres: 10
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Patrick Hsieh
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA
 Latitude: 33.85000
 Longitude: -118.2930
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICALS CO. (Continued)

S107736233

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA39100
Alias Type: Federal Facility ID
Alias Name: J09CA7364
Alias Type: INPR
Alias Name: 80001003
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: 10/10/2017
Comments: Draft Site Visit Report is on R drive for management review, comment and or concurrence.

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

Z111
NW
1/2-1
0.627 mi.
3313 ft.

DOW CHEMICALS CO.
TORRANCE, CA
Site 2 of 2 in cluster Z

FUDS 1024904030
N/A

Relative:
Higher
Actual:
40 ft.

FUDS:
EPA Region: 09
Installation ID: CA99799FA39100
Congressional District Number: 43
Facility Name: DOW CHEMICALS CO.
FUDS Number: J09CA7364
City: TORRANCE
State: CA
County: LOS ANGELES
Object ID: 2094
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: <https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=63100>
Eligibility: Ineligible
Has Projects: No
NPL Status: Not Listed
Latitude: 33.850000000000001
Longitude: -118.293055559999

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

112
 WSW
 1/2-1
 0.636 mi.
 3360 ft.

ROYAL BOULEVARD CLASS III DISPOSAL SITE
ROYAL BLVD BTWN 209TH AND 210TH STREETS
TORRANCE, CA 90502

RESPONSE S100183993
ENVIROSTOR N/A

Relative:
Higher
Actual:
37 ft.

RESPONSE:

Name: ROYAL BOULEVARD CLASS III DISPOSAL SITE
 Address: ROYAL BLVD BTWN 209TH AND 210TH STREETS
 City,State,Zip: TORRANCE, CA 90502
 Facility ID: 19490205
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 7.3
 National Priorities List: NO
 Cleanup Oversight Agencies: RWQCB 4 - Los Angeles
 Lead Agency Description: RWQCB 4 - Los Angeles
 Project Manager: Nicholas Ta
 Supervisor: Patrick Hsieh
 Division Branch: Cleanup Cypress
 Site Code: 400123
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 66
 Senate: 35
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 11/09/2010
 Restricted Use: NO
 Funding: Not reported
 Latitude: 33.83888
 Longitude: -118.2946
 APN: NONE SPECIFIED
 Past Use: LANDFILL - DOMESTIC
 Potential COC : * UNSPECIFIED SLUDGE WASTE * BAGHOUSE WASTE * OTHER SPENT CATALYST
 Lead Cadmium and compounds
 Confirmed COC: NONE SPECIFIED
 Potential Description: SOIL
 Alias Name: ROYAL BOULEVARD LAND RECLAMATION SITE
 Alias Type: Alternate Name
 Alias Name: P43081
 Alias Type: PCode
 Alias Name: 400123
 Alias Type: Project Code (Site Code)
 Alias Name: 19490205
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 10/30/2013
 Comments: COMPLETED - CASE CLOSED AS OF 10/31/2013 per Geotracker

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 03/31/1990
 Comments: COMPLETED - CASE CLOSED AS OF 10/31/2013 per Geotracker

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL BOULEVARD CLASS III DISPOSAL SITE (Continued)

S100183993

Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 02/13/2009
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

ENVIROSTOR:

Name: ROYAL BOULEVARD CLASS III DISPOSAL SITE
Address: ROYAL BLVD BTWN 209TH AND 210TH STREETS
City,State,Zip: TORRANCE, CA 90502
Facility ID: 19490205
Status: No Further Action
Status Date: 11/09/2010
Site Code: 400123
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 7.3
NPL: NO
Regulatory Agencies: RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
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
Funding: Not reported
Latitude: 33.83888
Longitude: -118.2946
APN: NONE SPECIFIED
Past Use: LANDFILL - DOMESTIC
Potential COC: * UNSPECIFIED SLUDGE WASTE * BAGHOUSE WASTE * OTHER SPENT CATALYST
Lead Cadmium and compounds
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: ROYAL BOULEVARD LAND RECLAMATION SITE
Alias Type: Alternate Name
Alias Name: P43081
Alias Type: PCode
Alias Name: 400123
Alias Type: Project Code (Site Code)
Alias Name: 19490205
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL BOULEVARD CLASS III DISPOSAL SITE (Continued)

S100183993

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/30/2013
Comments: COMPLETED - CASE CLOSED AS OF 10/31/2013 per Geotracker

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/31/1990
Comments: COMPLETED - CASE CLOSED AS OF 10/31/2013 per Geotracker

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 02/13/2009
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

113
West
1/2-1
0.637 mi.
3363 ft.

DEL AMO NEIGHBORHOOD PARK
1000 WEST 204TH STREET
TORRANCE, CA 90502

ENVIROSTOR **S118098163**
VCP **N/A**

Relative:
Higher
Actual:
40 ft.

ENVIROSTOR:
Name: DEL AMO NEIGHBORHOOD PARK
Address: 1000 WEST 204TH STREET
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60002199
Status: Active
Status Date: 06/25/2015
Site Code: 401720
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 8.45
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: , 66
Senate: , 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84561
Longitude: -118.2946

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

APN: 7350-007-016, 7350-007-017, 7350-007-018, 7350-007-019, 7350-007-020,
7350-007-045, 7350-015-001, 7350-015-043, 7350-015-045, 7350-015-046,
7350-015-047, 7350-015-048, 7350-015-049, 7350-015-050, 7350-015-051,
7350-015-052, 7350-015-053, 7350-015-054, 7350-015-055, 7350-015-056,
7350-015-057, 7350-015-058, 7350-016-002, 7350-016-003, 7350-016-004,
7350-016-012, 7350-016-025, 7350-016-026, 7350-016-027, 7350-016-028,
7350-016-029, 7350-016-030, 7350-016-031, 7350-016-032, 7350-016-033,
7350-016-034, 7350-016-035, 7350-016-036, 7350-016-037, 7350-016-038,
7350-016-041, 7350-017-035, 7350-017-036, 7350-017-037, 7350-017-038,
7350-017-039, 7350-017-040, 7350-018-001, 7350-018-002, 7350-018-003,
7350-018-004, 7350-018-005, 7350-018-006

Past Use: NONE SPECIFIED

Potential COC: NONE SPECIFIED

Confirmed COC: NONE SPECIFIED

Potential Description: NONE SPECIFIED

Alias Name: 7350-007-016

Alias Type: APN

Alias Name: 7350-007-017

Alias Type: APN

Alias Name: 7350-007-018

Alias Type: APN

Alias Name: 7350-007-019

Alias Type: APN

Alias Name: 7350-007-020

Alias Type: APN

Alias Name: 7350-007-045

Alias Type: APN

Alias Name: 7350-015-001

Alias Type: APN

Alias Name: 7350-015-043

Alias Type: APN

Alias Name: 7350-015-045

Alias Type: APN

Alias Name: 7350-015-046

Alias Type: APN

Alias Name: 7350-015-047

Alias Type: APN

Alias Name: 7350-015-048

Alias Type: APN

Alias Name: 7350-015-049

Alias Type: APN

Alias Name: 7350-015-050

Alias Type: APN

Alias Name: 7350-015-051

Alias Type: APN

Alias Name: 7350-015-052

Alias Type: APN

Alias Name: 7350-015-053

Alias Type: APN

Alias Name: 7350-015-054

Alias Type: APN

Alias Name: 7350-015-055

Alias Type: APN

Alias Name: 7350-015-056

Alias Type: APN

Alias Name: 7350-015-057

Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

| | |
|-------------|--------------|
| Alias Name: | 7350-015-058 |
| Alias Type: | APN |
| Alias Name: | 7350-016-002 |
| Alias Type: | APN |
| Alias Name: | 7350-016-003 |
| Alias Type: | APN |
| Alias Name: | 7350-016-004 |
| Alias Type: | APN |
| Alias Name: | 7350-016-012 |
| Alias Type: | APN |
| Alias Name: | 7350-016-025 |
| Alias Type: | APN |
| Alias Name: | 7350-016-026 |
| Alias Type: | APN |
| Alias Name: | 7350-016-027 |
| Alias Type: | APN |
| Alias Name: | 7350-016-028 |
| Alias Type: | APN |
| Alias Name: | 7350-016-029 |
| Alias Type: | APN |
| Alias Name: | 7350-016-030 |
| Alias Type: | APN |
| Alias Name: | 7350-016-031 |
| Alias Type: | APN |
| Alias Name: | 7350-016-032 |
| Alias Type: | APN |
| Alias Name: | 7350-016-033 |
| Alias Type: | APN |
| Alias Name: | 7350-016-034 |
| Alias Type: | APN |
| Alias Name: | 7350-016-035 |
| Alias Type: | APN |
| Alias Name: | 7350-016-036 |
| Alias Type: | APN |
| Alias Name: | 7350-016-037 |
| Alias Type: | APN |
| Alias Name: | 7350-016-038 |
| Alias Type: | APN |
| Alias Name: | 7350-016-041 |
| Alias Type: | APN |
| Alias Name: | 7350-017-035 |
| Alias Type: | APN |
| Alias Name: | 7350-017-036 |
| Alias Type: | APN |
| Alias Name: | 7350-017-037 |
| Alias Type: | APN |
| Alias Name: | 7350-017-038 |
| Alias Type: | APN |
| Alias Name: | 7350-017-039 |
| Alias Type: | APN |
| Alias Name: | 7350-017-040 |
| Alias Type: | APN |
| Alias Name: | 7350-018-001 |
| Alias Type: | APN |
| Alias Name: | 7350-018-002 |
| Alias Type: | APN |
| Alias Name: | 7350-018-003 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

Alias Type: APN
Alias Name: 7350-018-004
Alias Type: APN
Alias Name: 7350-018-005
Alias Type: APN
Alias Name: 7350-018-006
Alias Type: APN
Alias Name: 401720
Alias Type: Project Code (Site Code)
Alias Name: 60002199
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 11/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 11/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

Completed Date: 08/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 06/06/2021
Schedule Revised Date: 09/01/2022

VCP:

Name: DEL AMO NEIGHBORHOOD PARK
Address: 1000 WEST 204TH STREET
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60002199
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8.45
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Safouh Sayed
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Site Code: 401720
Assembly: , 66
Senate: , 35
Special Programs Code: Voluntary Cleanup Program

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

Status: Active
Status Date: 06/25/2015
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.84561 / -118.2946
APN: 7350-007-016, 7350-007-017, 7350-007-018, 7350-007-019, 7350-007-020,
7350-007-045, 7350-015-001, 7350-015-043, 7350-015-045, 7350-015-046,
7350-015-047, 7350-015-048, 7350-015-049, 7350-015-050, 7350-015-051,
7350-015-052, 7350-015-053, 7350-015-054, 7350-015-055, 7350-015-056,
7350-015-057, 7350-015-058, 7350-016-002, 7350-016-003, 7350-016-004,
7350-016-012, 7350-016-025, 7350-016-026, 7350-016-027, 7350-016-028,
7350-016-029, 7350-016-030, 7350-016-031, 7350-016-032, 7350-016-033,
7350-016-034, 7350-016-035, 7350-016-036, 7350-016-037, 7350-016-038,
7350-016-041, 7350-017-035, 7350-017-036, 7350-017-037, 7350-017-038,
7350-017-039, 7350-017-040, 7350-018-001, 7350-018-002, 7350-018-003,
7350-018-004, 7350-018-005, 7350-018-006
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7350-007-016
Alias Type: APN
Alias Name: 7350-007-017
Alias Type: APN
Alias Name: 7350-007-018
Alias Type: APN
Alias Name: 7350-007-019
Alias Type: APN
Alias Name: 7350-007-020
Alias Type: APN
Alias Name: 7350-007-045
Alias Type: APN
Alias Name: 7350-015-001
Alias Type: APN
Alias Name: 7350-015-043
Alias Type: APN
Alias Name: 7350-015-045
Alias Type: APN
Alias Name: 7350-015-046
Alias Type: APN
Alias Name: 7350-015-047
Alias Type: APN
Alias Name: 7350-015-048
Alias Type: APN
Alias Name: 7350-015-049
Alias Type: APN
Alias Name: 7350-015-050
Alias Type: APN
Alias Name: 7350-015-051
Alias Type: APN
Alias Name: 7350-015-052
Alias Type: APN
Alias Name: 7350-015-053
Alias Type: APN
Alias Name: 7350-015-054
Alias Type: APN
Alias Name: 7350-015-055

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

| | |
|-------------|--------------|
| Alias Type: | APN |
| Alias Name: | 7350-015-056 |
| Alias Type: | APN |
| Alias Name: | 7350-015-057 |
| Alias Type: | APN |
| Alias Name: | 7350-015-058 |
| Alias Type: | APN |
| Alias Name: | 7350-016-002 |
| Alias Type: | APN |
| Alias Name: | 7350-016-003 |
| Alias Type: | APN |
| Alias Name: | 7350-016-004 |
| Alias Type: | APN |
| Alias Name: | 7350-016-012 |
| Alias Type: | APN |
| Alias Name: | 7350-016-025 |
| Alias Type: | APN |
| Alias Name: | 7350-016-026 |
| Alias Type: | APN |
| Alias Name: | 7350-016-027 |
| Alias Type: | APN |
| Alias Name: | 7350-016-028 |
| Alias Type: | APN |
| Alias Name: | 7350-016-029 |
| Alias Type: | APN |
| Alias Name: | 7350-016-030 |
| Alias Type: | APN |
| Alias Name: | 7350-016-031 |
| Alias Type: | APN |
| Alias Name: | 7350-016-032 |
| Alias Type: | APN |
| Alias Name: | 7350-016-033 |
| Alias Type: | APN |
| Alias Name: | 7350-016-034 |
| Alias Type: | APN |
| Alias Name: | 7350-016-035 |
| Alias Type: | APN |
| Alias Name: | 7350-016-036 |
| Alias Type: | APN |
| Alias Name: | 7350-016-037 |
| Alias Type: | APN |
| Alias Name: | 7350-016-038 |
| Alias Type: | APN |
| Alias Name: | 7350-016-041 |
| Alias Type: | APN |
| Alias Name: | 7350-017-035 |
| Alias Type: | APN |
| Alias Name: | 7350-017-036 |
| Alias Type: | APN |
| Alias Name: | 7350-017-037 |
| Alias Type: | APN |
| Alias Name: | 7350-017-038 |
| Alias Type: | APN |
| Alias Name: | 7350-017-039 |
| Alias Type: | APN |
| Alias Name: | 7350-017-040 |
| Alias Type: | APN |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

Alias Name: 7350-018-001
Alias Type: APN
Alias Name: 7350-018-002
Alias Type: APN
Alias Name: 7350-018-003
Alias Type: APN
Alias Name: 7350-018-004
Alias Type: APN
Alias Name: 7350-018-005
Alias Type: APN
Alias Name: 7350-018-006
Alias Type: APN
Alias Name: 401720
Alias Type: Project Code (Site Code)
Alias Name: 60002199
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 11/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 11/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEL AMO NEIGHBORHOOD PARK (Continued)

S118098163

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 06/06/2021
Schedule Revised Date: 09/01/2022

114
WSW
1/2-1
0.663 mi.
3503 ft.

ROYAL BOULEVARD CLASS III DISPOSAL SITE
ROYAL BOULEVARD BETWEEN 209TH & 210TH STREETS
TORRANCE, CA 90055

CA BOND EXP. PLAN S100833323
N/A

Relative:
Lower
Actual:
24 ft.

CA BOND EXP. PLAN:
Responsible Party: RESPONSIBLE PARTY LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: DHS will be issuing a remedial action order or entering into an enforceable agreement with the responsible parties (RPs). DHS has budgeted \$50,000 for oversight/monitoring of cleanup efforts. DHS will recover 100 percent of direct costs plus staff Costs and overhead related to the project. The RPs will pay all costs associated with remedial investigation and cleanup activities.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ROYAL BOULEVARD CLASS III DISPOSAL SITE (Continued)

S100833323

Site Description: This 7.3 acre site is located on both sides of Royal Boulevard between 209th and 210th Streets in Torrance. It was a landfill operated by National Supply Company, a division of Armco from 1956 through 1985.

Hazardous Waste Desc: During the preparation of the environmental audit and closure plan for the National Supply Company's Torrance facility, it was discovered that foundry sand and baghouse dust may have been disposed of at the Royal Boulevard site. The foundry sand and baghouse dust waste may contain heavy metals.

Threat To Public Health & Env: This site is bordered by single-family residential units on the north, east, and south. There is potential for windblown dispersal of foundry sand. There is surface contamination, and offsite migration may result from storm water runoff. Depending on the form of contamination there is some potential for migration to ground water.

Site Activity Status: On July 16, 1986, the preliminary characterization plan was submitted to the Department and has been approved. The owner of the site, National Supply Company, a division of Armco, Inc., has conducted a limited remedial investigation.

115
 NNE
 1/2-1
 0.755 mi.
 3986 ft.

GOODYEAR AIRSHIP BASE
19200 S MAIN ST
GARDENA, CA 90248

ENVIROSTOR U002285889
VCP N/A
SWEEPS UST
LOS ANGELES CO. HMS

Relative:
Lower
Actual:
22 ft.

ENVIROSTOR:

Name: GOODYEAR AIRSHIP FACILITY

Address: 19200 SOUTH MAIN STREET

City,State,Zip: CARSON, CA 90248

Facility ID: 60002022

Status: Active

Status Date: 01/27/2016

Site Code: 401774

Site Type: Voluntary Cleanup

Site Type Detailed: Voluntary Cleanup

Acres: 30

NPL: NO

Regulatory Agencies: SMBRP

Lead Agency: SMBRP

Program Manager: Nicholas Ta

Supervisor: Patrick Hsieh

Division Branch: Cleanup Cypress

Assembly: 64

Senate: 35

Special Program: Voluntary Cleanup Program

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Funding: Responsible Party

Latitude: 33.85602

Longitude: -118.2777

APN: NONE SPECIFIED

Past Use: NONE SPECIFIED

Potential COC: NONE SPECIFIED

Confirmed COC: NONE SPECIFIED

Potential Description: NONE SPECIFIED

Alias Name: 401675

Alias Type: Project Code (Site Code)

Alias Name: 401774

Alias Type: Project Code (Site Code)

Alias Name: 60002022

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR AIRSHIP BASE (Continued)

U002285889

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/13/2016
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

VCP:

Name: GOODYEAR AIRSHIP FACILITY
Address: 19200 SOUTH MAIN STREET
City,State,Zip: CARSON, CA 90248
Facility ID: 60002022
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 30
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Nicholas Ta
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Site Code: 401774
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/27/2016
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85602 / -118.2777
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 401675
Alias Type: Project Code (Site Code)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR AIRSHIP BASE (Continued)

U002285889

Alias Name: 401774
Alias Type: Project Code (Site Code)
Alias Name: 60002022
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/13/2016
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

SWEEPS UST:

Name: GOODYEAR AIRSHIP BASE
Address: 19200 S MAIN ST
City: CARSON
Status: Active
Comp Number: 13099
Number: 9
Board Of Equalization: 44-010048
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013099-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Name: GOODYEAR AIRSHIP BASE
Address: 19200 S MAIN ST
City: CARSON
Status: Active
Comp Number: 13099
Number: 9
Board Of Equalization: 44-010048
Referral Date: 06-30-89

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODYEAR AIRSHIP BASE (Continued)

U002285889

Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013099-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:

Name: GOODYEAR AIRSHIP BASE
Address: 19200 S MAIN ST
City,State,Zip: GARDENA, CA 90248
Region: LA
Permit Category: Not reported
Facility Id: 012876-I13099
Facility Type: Not reported
Facility Status: OPEN
Area: 22
Permit Number: Not reported
Permit Status: Not reported

Name: GOODYEAR AIRSHIP BASE
Address: 19200 S MAIN ST
City,State,Zip: GARDENA, CA 90248
Region: LA
Permit Category: T
Facility Id: 012876-013099
Facility Type: 0
Facility Status: Removed
Area: 22
Permit Number: 00004830T
Permit Status: Removed

AA116
West
1/2-1
0.806 mi.
4257 ft.

BRIDGE POINT SOUTH BAY (FORMER ECI)
20802,20846 AND 20850 NORMANDIE AVENUE SOUTH
TORRANCE, CA 90502
Site 1 of 3 in cluster AA

ENVIROSTOR **S117038661**
VCP **N/A**

Relative:
Higher
Actual:
39 ft.

ENVIROSTOR:
Name: BRIDGE POINT SOUTH BAY (FORMER ECI)
Address: 20802,20846 AND 20850 NORMANDIE AVENUE SOUTH
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60001994
Status: Active
Status Date: 02/04/2014
Site Code: 401815
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 9
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIDGE POINT SOUTH BAY (FORMER ECI) (Continued)

S117038661

Program Manager: Willard Garrett
Supervisor: Maryam Tasnif-Abbasi
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84159
Longitude: -118.2987
APN: 7348020003, 7348020004, 7348020007, 7348020008, 7348020009, 7348020010
Not reported
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: Benzene Chlordane DDE DDT Endrin Tetrachloroethylene (PCE Toluene Trichloroethylene (TCE
Confirmed COC: Trichloroethylene (TCE Benzene Chlordane DDE DDT Endrin Tetrachloroethylene (PCE Toluene
Potential Description: AQUI, SOIL, SV, UE
Alias Name: Akzo Sikkens Facility (Former Name)
Alias Type: Alternate Name
Alias Name: Ecology Control Industries (Former Name)
Alias Type: Alternate Name
Alias Name: 7348020003
Alias Type: APN
Alias Name: 7348020004
Alias Type: APN
Alias Name: 7348020007
Alias Type: APN
Alias Name: 7348020008
Alias Type: APN
Alias Name: 7348020009
Alias Type: APN
Alias Name: 7348020010
Alias Type: APN
Alias Name: 401661
Alias Type: Project Code (Site Code)
Alias Name: 401815
Alias Type: Project Code (Site Code)
Alias Name: 60001994
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2014
Comments: DTSC Approved Phase II

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIDGE POINT SOUTH BAY (FORMER ECI) (Continued)

S117038661

Completed Date: 06/24/2015
Comments: DTSC Approved the RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/04/2014
Comments: VCA with Ecology Control Industries executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 11/04/2014
Comments: DTSC Approved the NOE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/26/2014
Comments: DTSC Approved SSI

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/05/2014
Comments: Fact Sheet Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/05/2014
Comments: DTSC Approved the Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/05/2014
Comments: DTSC Approved the Community Profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/24/2015
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIDGE POINT SOUTH BAY (FORMER ECI) (Continued)

S117038661

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 11/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 06/30/2020
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 04/25/2020
Schedule Revised Date: 12/10/2020

VCP:

Name: BRIDGE POINT SOUTH BAY (FORMER ECI)
Address: 20802,20846 AND 20850 NORMANDIE AVENUE SOUTH
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60001994
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Willard Garrett
Supervisor: Maryam Tasnif-Abbasi
Division Branch: Cleanup Cypress
Site Code: 401815

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIDGE POINT SOUTH BAY (FORMER ECI) (Continued)

S117038661

Assembly: 66
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 02/04/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.84159 / -118.2987
APN: 7348020003, 7348020004, 7348020007, 7348020008, 7348020009, 7348020010
Not reported
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: 30003, 30004, 30007, 30008, 30010, 30022, 30550, 30027
Confirmed COC: 30027,, ,30003,30004,30007,30008,30010,30022,30550
Potential Description: AQUI, SOIL, SV, UE
Alias Name: Akzo Sikkens Facility (Former Name)
Alias Type: Alternate Name
Alias Name: Ecology Control Industries (Former Name)
Alias Type: Alternate Name
Alias Name: 7348020003
Alias Type: APN
Alias Name: 7348020004
Alias Type: APN
Alias Name: 7348020007
Alias Type: APN
Alias Name: 7348020008
Alias Type: APN
Alias Name: 7348020009
Alias Type: APN
Alias Name: 7348020010
Alias Type: APN
Alias Name: 401661
Alias Type: Project Code (Site Code)
Alias Name: 401815
Alias Type: Project Code (Site Code)
Alias Name: 60001994
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2014
Comments: DTSC Approved Phase II

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/24/2015
Comments: DTSC Approved the RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIDGE POINT SOUTH BAY (FORMER ECI) (Continued)

S117038661

Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/04/2014
Comments: VCA with Ecology Control Industries executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 11/04/2014
Comments: DTSC Approved the NOE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 04/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/26/2014
Comments: DTSC Approved SSI

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/05/2014
Comments: Fact Sheet Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/05/2014
Comments: DTSC Approved the Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/05/2014
Comments: DTSC Approved the Community Profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/24/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 11/30/2015
Comments: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BRIDGE POINT SOUTH BAY (FORMER ECI) (Continued)

S117038661

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Risk Assessment Report
 Completed Date: 07/31/2018
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 08/19/2020
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Characterization Workplan
 Completed Date: 07/12/2016
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Consultative Service Agreement
 Completed Date: 06/30/2020
 Comments: Not reported

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Land Use Restriction
 Future Due Date: 2022
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Land Use Restriction
 Schedule Due Date: 04/25/2020
 Schedule Revised Date: 12/10/2020

117
 NNE
 1/2-1
 0.811 mi.
 4284 ft.

BROADWAY & MAIN
19101 - 19145 SOUTH BROADWAY
CARSON, CA 90745

ENVIROSTOR **S116490704**
VCP **N/A**

Relative:
Lower
Actual:
24 ft.

ENVIROSTOR:
 Name: BROADWAY & MAIN
 Address: 19101 - 19145 SOUTH BROADWAY
 City,State,Zip: CARSON, CA 90745
 Facility ID: 60001991
 Status: Active
 Status Date: 04/24/2014
 Site Code: 401669
 Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 2.7
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Maryam Tasnif-Abbasi
 Division Branch: Cleanup Cypress
 Assembly: 64

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROADWAY & MAIN (Continued)

S116490704

Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.85618
Longitude: -118.2784
APN: 7339-016-007, 7339-016-008
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7339-016-007
Alias Type: APN
Alias Name: 7339-016-008
Alias Type: APN
Alias Name: 401669
Alias Type: Project Code (Site Code)
Alias Name: 60001991
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/10/2014
Comments: Annual Cost Estimate for FY 1415 sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/24/2014
Comments: VCA Fully Executed with KL Fenix Corporation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2015
Comments: FY 1516 Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/10/2017
Comments: This project was assigned to Maryam Tasnif-Abbasi

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROADWAY & MAIN (Continued)

S116490704

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/06/2017
Comments: Project assigned to Tony Hashemian.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2014
Comments: Information summary document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/13/2014
Comments: Approved Work Plan for field 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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 07/30/2018
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/30/2017
Schedule Revised Date: Not reported

VCP:

Name: BROADWAY & MAIN
Address: 19101 - 19145 SOUTH BROADWAY
City,State,Zip: CARSON, CA 90745
Facility ID: 60001991
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Maryam Tasnif-Abbasi
Division Branch: Cleanup Cypress
Site Code: 401669
Assembly: 64

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROADWAY & MAIN (Continued)

S116490704

Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 04/24/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85618 / -118.2784
APN: 7339-016-007, 7339-016-008
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7339-016-007
Alias Type: APN
Alias Name: 7339-016-008
Alias Type: APN
Alias Name: 401669
Alias Type: Project Code (Site Code)
Alias Name: 60001991
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/10/2014
Comments: Annual Cost Estimate for FY 1415 sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/24/2014
Comments: VCA Fully Executed with KL Fenix Corporation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/17/2015
Comments: FY 1516 Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/10/2017
Comments: This project was assigned to Maryam Tasnif-Abbasi

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BROADWAY & MAIN (Continued)

S116490704

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 04/06/2017
 Comments: Project assigned to Tony Hashemian.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 09/26/2017
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Technical Report
 Completed Date: 06/09/2014
 Comments: Information summary document

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Workplan
 Completed Date: 08/13/2014
 Comments: Approved Work Plan for field 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: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Certification
 Schedule Due Date: 07/30/2018
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Land Use Restriction
 Schedule Due Date: 12/30/2017
 Schedule Revised Date: Not reported

AA118
WSW
1/2-1
0.837 mi.
4419 ft.

ECOLOGY CONTROL INDUSTRIES
20846 NORMANDIE
TORRANCE, CA 90502
Site 2 of 3 in cluster AA

ENVIROSTOR **S105024657**
HIST CORTESE **N/A**
NPDES
CIWQS
CERS

Relative:
Higher
Actual:
41 ft.

ENVIROSTOR:
 Name: AKZO COATINGS, INC.
 Address: 20846 SOUTH NORMANDIE AVENUE
 City,State,Zip: TORRANCE, CA 90502
 Facility ID: 19300232
 Status: Refer: RWQCB
 Status Date: 05/01/1995
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

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 reported
Latitude: 33.84086
Longitude: -118.2981
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: AZKO
Alias Type: Alternate Name
Alias Name: SIKKENS
Alias Type: Alternate Name
Alias Name: 19300232
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: 05/01/1995
Comments: EPA'S PA REPORT INDICATES THAT RWQCB IS CURRENTLY THE LEAD AGENCY OVERSEEING INVESTIGATION AND REMEDIAL ACTIVITIES ON THIS SITE. THEREFORE, NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/09/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/22/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/30/1992
Comments: The AZKO site was identified as a potential hazardous waste site and entered into the CERCLIS database, following receipt of a memo listing industrial sites near the Del Amo NPL site in Torrance.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:

edr_fname: AKZO COATINGS (SILKENS)
edr_fadd1: 20846 NORMANDIE
City,State,Zip: LOS ANGELES, CA 90502
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-00715

NPDES:

Name: ECI NORMANDIE AVE
Address: 20846 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Facility Status: Terminated
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 450561
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C371280
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/28/2014
Termination Date Of Regulatory Measure: 06/13/2018
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 20846 Normandie Ave
Discharge Name: Ecology Control Industries
Discharge City: Torrance
Discharge State: California
Discharge Zip: 90502
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: CAS000002
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 450561
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C371280
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Effective Date Of Regulatory Measure: 10/28/2014
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Ecology Control Industries
Discharge Address: 20846 Normandie Ave
Discharge City: Torrance
Discharge State: California
Discharge Zip: 90502
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 450561
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C371280
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 10/24/2014
Processed Date: 10/28/2014
Status: Active
Status Date: 10/28/2014
Place Size: 9
Place Size Unit: Acres
Contact: Ronald Flury
Contact Title: Chairman
Contact Phone: 310-354-9999
Contact Phone Ext: Not reported
Contact Email: rflury@ecologycontrol.com
Operator Name: Ecology Control Industries
Operator Address: 20846 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502
Operator Contact: James Porter
Operator Contact Title: Health & Environmental Safety Manager
Operator Contact Phone: 310-354-9999
Operator Contact Phone Ext: 203
Operator Contact Email: jporter@ecologycontrol.com
Operator Type: Private Business
Developer: Ecology Control Industries
Developer Address: 20846 Normandie Ave
Developer City: Torrance
Developer State: California
Developer Zip: 90502
Developer Contact: Ronald Flury
Developer Contact Title: Chairman
Constype Linear Utility Ind: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: N
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Description: LAND DISTURBANCE ACTIVITIES
Constype Other Ind: Y
Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: Not reported
Certifier: James Porter
Certifier Title: President
Certification Date: 01-SEP-16
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: ECI NORMANDIE AVE
Address: 20846 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C371280
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 09/24/2018
Operator Name: Ecology Control Industries
Operator Address: 20846 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

NPDES as of 03/2018:

| | |
|---|----------------------------|
| NPDES Number: | CAS000002 |
| Status: | Active |
| Agency Number: | 0 |
| Region: | 4 |
| Regulatory Measure ID: | 450561 |
| Order Number: | 2009-0009-DWQ |
| Regulatory Measure Type: | Enrollee |
| Place ID: | Not reported |
| WDID: | 4 19C371280 |
| Program Type: | Construction |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | 10/28/2014 |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Ecology Control Industries |
| Discharge Address: | 20846 Normandie Ave |
| Discharge City: | Torrance |
| Discharge State: | California |
| Discharge Zip: | 90502 |
| Received Date: | Not reported |
| Processed Date: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

| | |
|---|---------------------------------------|
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | Not reported |
| Status: | Not reported |
| Agency Number: | Not reported |
| Region: | 4 |
| Regulatory Measure ID: | 450561 |
| Order Number: | Not reported |
| Regulatory Measure Type: | Construction |
| Place ID: | Not reported |
| WDID: | 4 19C371280 |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Not reported |
| Discharge Address: | Not reported |
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Received Date: | 10/24/2014 |
| Processed Date: | 10/28/2014 |
| Status: | Active |
| Status Date: | 10/28/2014 |
| Place Size: | 9 |
| Place Size Unit: | Acres |
| Contact: | Ronald Flury |
| Contact Title: | Chairman |
| Contact Phone: | 310-354-9999 |
| Contact Phone Ext: | Not reported |
| Contact Email: | rflury@ecologycontrol.com |
| Operator Name: | Ecology Control Industries |
| Operator Address: | 20846 Normandie Ave |
| Operator City: | Torrance |
| Operator State: | California |
| Operator Zip: | 90502 |
| Operator Contact: | James Porter |
| Operator Contact Title: | Health & Environmental Safety Manager |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Operator Contact Phone: 310-354-9999
Operator Contact Phone Ext: 203
Operator Contact Email: jporter@ecologycontrol.com
Operator Type: Private Business
Developer: Ecology Control Industries
Developer Address: 20846 Normandie Ave
Developer City: Torrance
Developer State: California
Developer Zip: 90502
Developer Contact: Ronald Flury
Developer Contact Title: Chairman
Constype Linear Utility Ind: N
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: N
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Description: LAND DISTURBANCE ACTIVITIES
Constype Other Ind: Y
Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: Not reported
Certifier: James Porter
Certifier Title: President
Certification Date: 01-SEP-16
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: ECOLOGY CONTROL INDUSTRIES
Address: 20846 NORMANDIE
City,State,Zip: TORRANCE, CA 90502
Facility Status: Terminated
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 190380
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I012624
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/30/1996
Termination Date Of Regulatory Measure: 12/29/2017
Expiration Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Discharge Address: 20846 Normandie Ave
Discharge Name: Ecology Control Industries
Discharge City: Torrance
Discharge State: California
Discharge Zip: 90502
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 190380
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I012624
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/30/1996
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported

Discharge Name: Ecology Control Industries
Discharge Address: 20846 Normandie Ave
Discharge City: Torrance
Discharge State: California
Discharge Zip: 90502
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

| | |
|---|--------------|
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | Not reported |
| Status: | Not reported |
| Agency Number: | Not reported |
| Region: | 4 |
| Regulatory Measure ID: | 190380 |
| Order Number: | Not reported |
| Regulatory Measure Type: | Industrial |
| Place ID: | Not reported |
| WDID: | 4 19I012624 |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Not reported |
| Discharge Address: | Not reported |
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Received Date: | 05/09/2008 |
| Processed Date: | 10/30/1996 |
| Status: | Active |
| Status Date: | 10/30/1996 |
| Place Size: | 8 |
| Place Size Unit: | Acres |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Contact: James Porter
Contact Title: EHS Manager
Contact Phone: 310-354-9999
Contact Phone Ext: 303
Contact Email: jporter@ecologycontrol.com
Operator Name: Ecology Control Industries
Operator Address: 20846 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502
Operator Contact: James Porter
Operator Contact Title: EH&S Manager
Operator Contact Phone: 310-354-9999
Operator Contact Phone Ext: 303
Operator Contact Email: jporter@ecologycontrol.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 310-354-9999
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel
Certifier: James Porter
Certifier Title: Environmental Health and Safety Manager
Certification Date: 09-FEB-15
Primary Sic: 4212-Local Trucking Without Storage
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: ECOLOGY CONTROL INDUSTRIES
Address: 20846 NORMANDIE
City,State,Zip: TORRANCE, CA 90502
Facility Status: Not reported
NPDES Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I012624
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 05/07/2018
Operator Name: Ecology Control Industries
Operator Address: 20846 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 190380
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I012624
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/30/1996
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Ecology Control Industries
Discharge Address: 20846 Normandie Ave
Discharge City: Torrance
Discharge State: California
Discharge Zip: 90502
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

| | |
|--|--------------|
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | Not reported |
| Status: | Not reported |
| Agency Number: | Not reported |
| Region: | 4 |
| Regulatory Measure ID: | 190380 |
| Order Number: | Not reported |
| Regulatory Measure Type: | Industrial |
| Place ID: | Not reported |
| WDID: | 4 19I012624 |
| Program Type: | Not reported |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | Not reported |
| Expiration Date Of Regulatory Measure: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 10/30/1996
Status: Active
Status Date: 10/30/1996
Place Size: 8
Place Size Unit: Acres
Contact: James Porter
Contact Title: EHS Manager
Contact Phone: 310-354-9999
Contact Phone Ext: 303
Contact Email: jporter@ecologycontrol.com
Operator Name: Ecology Control Industries
Operator Address: 20846 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502
Operator Contact: James Porter
Operator Contact Title: EH&S Manager
Operator Contact Phone: 310-354-9999
Operator Contact Phone Ext: 303
Operator Contact Email: jporter@ecologycontrol.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 310-354-9999
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Dominguez Channel
Certifier: James Porter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Certifier Title: Environmental Health and Safety Manager
Certification Date: 09-FEB-15
Primary Sic: 4212-Local Trucking Without Storage
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: ECI NORMANDIE AVE
Address: 20846 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Agency: Ecology Control Industries
Agency Address: 20846 Normandie Ave, Torrance, CA 90502
Place/Project Type: Construction - Other: LAND DISTURBANCE ACTIVITIES
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C371280
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/28/2014
Termination Date: 06/13/2018
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 2
Latitude: 33.840832
Longitude: -118.297943

Name: ECOLOGY CONTROL INDUSTRIES
Address: 20846 NORMANDIE
City,State,Zip: TORRANCE, CA 90502
Agency: Ecology Control Industries
Agency Address: 20846 Normandie Ave, Torrance, CA 90502
Place/Project Type: Industrial - Local Trucking Without Storage
SIC/NAICS: 4212
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I012624
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 10/30/1996
Termination Date: 12/29/2017
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ECOLOGY CONTROL INDUSTRIES (Continued)

S105024657

Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.8414
Longitude: -118.29922

Name: ECOLOGY CONTROL INDUSTRIES
Address: 20846 NORMANDIE
City,State,Zip: TORRANCE, CA 90502
Agency: Ecology Control Industries
Agency Address: 20846 Normandie Ave, Torrance, CA 90502
Place/Project Type: Industrial - Local Trucking Without Storage
SIC/NAICS: 4212
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I015146
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 05/20/1999
Termination Date: 10/13/2000
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: 33.8414
Longitude: -118.29922

CERS:

Name: ECOLOGY CONTROL INDUSTRIES
Address: 20846 NORMANDIE
City,State,Zip: TORRANCE, CA 90502
Site ID: 313770
CERS ID: 223373
CERS Description: Waste Discharge Requirements

119
North
1/2-1
0.846 mi.
4466 ft.

CARROLL SHELBY ENTERPRISES FACILITY
19021 SOUTH FIGUEROA STREET
GARDENA, CA 90248

ENVIROSTOR S103955020
VCP N/A

Relative:
Higher
Actual:
27 ft.

ENVIROSTOR:
Name: CARROLL SHELBY ENTERPRISES FACILITY
Address: 19021 SOUTH FIGUEROA STREET
City,State,Zip: GARDENA, CA 90248
Facility ID: 60001060
Status: Active
Status Date: 02/09/2009
Site Code: 401476
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3.43

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.85817
Longitude: -118.2817
APN: 7339-009-005, 7339-009-006
Past Use: ENGINE TESTING/REPAIR, FOUNDRY, MANUFACTURING - METAL, OFFICE BUILDING, UNDERGROUND STORAGE TANKS
Potential COC: Benzene Tetrachloroethylene (PCE TPH-diesel TPH-gas
1,1,1-Trichloroethane (TCA Trichloroethylene (TCE 1,4-Dichlorobenzene
1,2-Dichloroethane (EDC 1,1-Dichloroethylene
1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
Confirmed COC: Benzene 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane
Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,1,1-Trichloroethane
(TCA 30193-NO 1,1,1,2-Tetrachloroethane 1,4-Dichlorobenzene
Trichloroethylene (TCE 30194-NO
Potential Description: OTH, SOIL, SV
Alias Name: Atlantic Auto & Truck Sales/Classic Cars
Alias Type: Alternate Name
Alias Name: Atlantic Auto & Truck Wrecking
Alias Type: Alternate Name
Alias Name: CHST
Alias Type: Alternate Name
Alias Name: Carroll Hall Shelby Trust
Alias Type: Alternate Name
Alias Name: Carroll Hall Shelby Trust U/D/T
Alias Type: Alternate Name
Alias Name: 7339-009-005
Alias Type: APN
Alias Name: 7339-009-006
Alias Type: APN
Alias Name: 401476
Alias Type: Project Code (Site Code)
Alias Name: 60001060
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/19/2016
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/25/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Date: 02/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2017
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/20/2017
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/05/2017
Comments: DTSC provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/26/2018
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2018
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2019
Comments: DTSC sent the comments on the Report. No revision of the report is needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/24/2019
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/13/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Document Type: Correspondence
Completed Date: 03/16/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/11/2012
Comments: The letter was mailed to the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2017
Comments: Annual Cost Estimate letter sent 9/7/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/09/2009
Comments: Fully Executed VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual cost estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/04/2016
Comments: DTSC accepted the name change request.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Annual Cost Estimate Letter sent to RP on 09/07/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2010
Comments: DTSC approved the PEA with a recommendation of further action is needed at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/25/2010
Comments: DTSC executed the VCA Amendment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/25/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/15/2010
Comments: DTSC conditoally approved the SSI Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Document Type: Monitoring Report
Completed Date: 02/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2011
Comments: DTSC conditionally approved the Report provided Carroll Shelby complies with DTSC comments enclosed therein

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/20/2011
Comments: DTSC conditionally approved the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/20/2013
Comments: DTSC approved the RAW along with the Negative Declaration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/07/2011
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/07/2012
Comments: DTSC sent the approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/07/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Comments: DTSC sent the Conditional Approval Letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/07/2012
Comments: DTSC sent the approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/30/2012
Comments: DTSC issued conditional approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2012
Comments: DTSC reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 09/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/08/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 09/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/25/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2015
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2015
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2014
Comments: DTSC approved the Report with comments. Next round of sampling is due in December 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2015
Comments: DTSC conditionally approved the Report with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2018
Comments: FY 1819 Estimate: \$36,278

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/23/2017
Comments: DTSC doesn't have any comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/29/2019
Comments: DTSC sent the letter of RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/25/2010
Comments: DTSC executed the VCA Amendment.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2022

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2021

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Construction Complete
Future Due Date: 2022

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

VCP:

Name: CARROLL SHELBY ENTERPRISES FACILITY
Address: 19021 SOUTH FIGUEROA STREET
City,State,Zip: GARDENA, CA 90248
Facility ID: 60001060
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.43
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401476
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 02/09/2009
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85817 / -118.2817
APN: 7339-009-005, 7339-009-006
Past Use: ENGINE TESTING/REPAIR, FOUNDRY, MANUFACTURING - METAL, OFFICE BUILDING, UNDERGROUND STORAGE TANKS
Potential COC: 30003, 30022, 30024, 30025, 30026, 30027, 30187, 30193, 30194, 30535, 30536, 30564
Confirmed COC: 30003,30536,30564,30022,30024,30025,30026,30193-NO,30535,30187,30027, 30194-NO
Potential Description: OTH, SOIL, SV
Alias Name: Atlantic Auto & Truck Sales/Classic Cars
Alias Type: Alternate Name
Alias Name: Atlantic Auto & Truck Wrecking
Alias Type: Alternate Name
Alias Name: CHST
Alias Type: Alternate Name
Alias Name: Carroll Hall Shelby Trust
Alias Type: Alternate Name
Alias Name: Carroll Hall Shelby Trust U/D/T
Alias Type: Alternate Name
Alias Name: 7339-009-005
Alias Type: APN
Alias Name: 7339-009-006
Alias Type: APN
Alias Name: 401476
Alias Type: Project Code (Site Code)
Alias Name: 60001060
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/30/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/25/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/17/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/18/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2017
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/20/2017
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/05/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Comments: DTSC provided comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2018
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2019
Comments: DTSC sent the comments on the Report. No revision of the report is needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/24/2019
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/25/2020
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/13/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/16/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/11/2012
Comments: The letter was mailed to the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 06/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2017
Comments: Annual Cost Estimate letter sent 9/7/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Date: 02/09/2009
Comments: Fully Executed VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/03/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual cost estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/04/2016
Comments: DTSC accepted the name change request.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2016
Comments: Annual Cost Estimate Letter sent to RP on 09/07/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/06/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2010
Comments: DTSC approved the PEA with a recommendation of further action is needed at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/25/2010
Comments: DTSC executed the VCA Amendment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/25/2010
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/15/2010
Comments: DTSC conditoally approved the SSI Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2011
Comments: DTSC conditionally approved the Report provided Carroll Shelby complies with DTSC comments enclosed therein

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/20/2011
Comments: DTSC conditionally approved the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/20/2013
Comments: DTSC approved the RAW along with the Negative Declaration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/07/2011
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Document Type: Monitoring Report
Completed Date: 03/07/2012
Comments: DTSC sent the approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/07/2012
Comments: DTSC sent the Conditional Approval Letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/07/2012
Comments: DTSC sent the approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/30/2012
Comments: DTSC issued conditional approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2012
Comments: DTSC reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 09/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2012
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/08/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 09/16/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Date: 06/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/13/2015
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2015
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/06/2014
Comments: DTSC approved the Report with comments. Next round of sampling is due in December 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/05/2015
Comments: DTSC conditionally approved the Report with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/05/2016
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2018
Comments: FY 1819 Estimate: \$36,278

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/23/2017
Comments: DTSC doesn't have any comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/29/2019
Comments: DTSC sent the letter of RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/25/2010
Comments: DTSC executed the VCA Amendment.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2022

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2021

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Construction Complete
Future Due Date: 2022

Schedule Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARROLL SHELBY ENTERPRISES FACILITY (Continued)

S103955020

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AA120
West
1/2-1
0.849 mi.
4483 ft.

TCE NORMANDIE SITE
VARIOUS SITES EAST AND WEST OF NORMANDIE AVENUE BETWEEN KNOX
TORRANCE & LOS ANGELES, CA 90502

ENVIROSTOR **S117038719**
N/A

Site 3 of 3 in cluster AA

Relative:
Higher
Actual:
41 ft.

ENVIROSTOR:
Name: TCE NORMANDIE SITE
Address: VARIOUS SITES EAST AND WEST OF NORMANDIE AVENUE BETWEEN KNOX STREET
AND TORRANCE BOULEVARD
City,State,Zip: TORRANCE & LOS ANGELES, CA 90502
Facility ID: 60002080
Status: Active
Status Date: 07/02/2020
Site Code: 401693
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Willard Garrett
Supervisor: Maryam Tasnif-Abbasi
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84194
Longitude: -118.2995
APN: NONE SPECIFIED
Past Use: MANUFACTURING - PETROLEUM, OIL/WATER SEPARATORS, UNDERGROUND STORAGE
TANKS
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: OTH, SOIL
Alias Name: 401693
Alias Type: Project Code (Site Code)
Alias Name: 60002080
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TCE NORMANDIE SITE (Continued)

S117038719

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

**121
 WNW
 1/2-1
 0.854 mi.
 4507 ft.**

**HYDRO RUBBER & PLASTIC INC
 1200 FRANCISCO ST
 TORRANCE, CA 90502**

**RCRA-SQG 1000366292
 ENVIROSTOR CAD981691397
 FINDS
 ECHO
 EMI
 HAZNET
 HWTS**

**Relative:
 Higher**

**Actual:
 46 ft.**

RCRA-SQG:
 Date Form Received by Agency: 1986-12-05 00:00:00.0
 Handler Name: HYDRO RUBBER & PLASTIC INC
 Handler Address: 1200 FRANCISCO ST
 Handler City,State,Zip: TORRANCE, CA 90502
 EPA ID: CAD981691397
 Contact Name: ENVIRONMENTAL MANAGER
 Contact Address: 1200 FRANCISCO ST
 Contact City,State,Zip: TORRANCE, CA 90502
 Contact Telephone: 213-532-4444
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: CA
 State District: 4
 Mailing Address: FRANCISCO ST
 Mailing City,State,Zip: TORRANCE, CA 90502
 Owner Name: UNDER SEA INDUSTRIES
 Owner Type: Private
 Operator Name: NOT REQUIRED
 Operator Type: Private
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

| | |
|--|-----------------------|
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2000-09-15 17:29:56.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Handler - Owner Operator:

| | |
|--------------------------------|------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | UNDER SEA INDUSTRIES |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, ME 99999 |
| Owner/Operator Telephone: | 415-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1986-12-05 00:00:00.0
Handler Name: HYDRO RUBBER & PLASTIC INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

ENVIROSTOR:

Name: HYDRO RUBBER & PLASTICS
Address: 1200 FRANCISCO STREET
City,State,Zip: TORRANCE, CA 90502
Facility ID: 19300238
Status: No Further Action
Status Date: 02/23/1995
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: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.84997
Longitude: -118.2974
APN: 7351036017
Past Use: MANUFACTURING - OTHER
Potential COC: 1,1,1-Trichloroethane (TCA 1,1-Dichloroethane)
Confirmed COC: 1,1,1-Trichloroethane (TCA 1,1-Dichloroethane)
Potential Description: SOIL
Alias Name: HYDRO RUBBER & PLASTICS
Alias Type: Alternate Name
Alias Name: 7351036017
Alias Type: APN
Alias Name: 19300238
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: 01/18/1995
Comments: Site was discovered through Dames & Moore notifying the Dept of the completion of an Environmental Investigation on this property. During investigation, Dames & Moore excavated the contaminated area and backfilled with clean soil. "It is Dames & Moore's professional opinion that no additional site remedial activities are warranted at this time." However, due to evidence of a release, a PEA is required by the Dept.

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: 110002754617

Click Here:

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: 1000366292
Registry ID: 110002754617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002754617>
Name: HYDRO RUBBER AND PLASTICS INC
Address: 1200 FRANCISCO ST
City,State,Zip: TORRANCE, CA 90502

EMI:

Name: HYDRO RUBBER INC
Address: 1200 FRANCISCO ST
City,State,Zip: TORRANCE, CA 90502
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 16023
Air District Name: SC
SIC Code: 3069
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: 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 Smlr Tons/Yr:0

Name: HYDRO RUBBER INC
Address: 1200 FRANCISCO ST
City,State,Zip: TORRANCE, CA 90502
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16023
Air District Name: SC
SIC Code: 3080
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: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

HAZNET:

Name: HYDRO RUBBER & PLASTIC INC
Address: 1200 FRANCISCO ST
Address 2: Not reported
City,State,Zip: TORRANCE, CA 905020000
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 222 MAIN ST STE 400

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

| | |
|------------------|---|
| Year: | 1993 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD009522988 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 13.1366 |
| Year: | 1993 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.5212 |
| Year: | 1992 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD009522988 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 9.5116 |
| Year: | 1992 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 331 - Off-specification, aged or surplus organics |
| Disposal Method: | R01 - Recycler |
| Tons: | 0.2085 |
| Year: | 1992 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L |
| Disposal Method: | R01 - Recycler |
| Tons: | 1.7096 |
| Year: | 1991 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD009522988 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 6.355 |
| Year: | 1990 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD009522988 |
| CA Waste Code: | 221 - Waste oil and mixed oil |
| Disposal Method: | R01 - Recycler |
| Tons: | 8.3566 |
| Year: | 1989 |
| Gepaid: | CAD981691397 |
| TSD EPA ID: | CAD008302903 |
| CA Waste Code: | 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L |
| Disposal Method: | R01 - Recycler |
| Tons: | 2.085 |
| Year: | 1989 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

Gepaid: CAD981691397
TSD EPA ID: CAD009522988
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 4.3868

Year: 1988
Gepaid: CAD981691397
TSD EPA ID: CAD009522988
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 2.3518

[Click this hyperlink](#) while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 1993
Gen EPA ID: CAD981691397

Shipment Date: 19930901
Creation Date: 9/12/1995 0:00:00
Receipt Date: 19930901
Manifest ID: 93267258
Trans EPA ID: CAD009522988
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD009522988
Trans Name: Not reported
TSD Alt EPA ID: CAD009522988
TSD Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 2.5308
Waste Quantity: 666
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930804
Creation Date: 9/12/1995 0:00:00
Receipt Date: 19930804
Manifest ID: 93267201
Trans EPA ID: CAD009522988
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD009522988
Trans Name: Not reported
TSD Alt EPA ID: CAD009522988
TSD Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 4.7044
Waste Quantity: 1238
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930709
Creation Date: 9/11/1995 0:00:00
Receipt Date: 19930709
Manifest ID: 92075960
Trans EPA ID: CAD009522988
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD009522988
Trans Name: Not reported
TSDf Alt EPA ID: CAD009522988
TSDf Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 1.3908
Waste Quantity: 366
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930524
Creation Date: 9/9/1995 0:00:00
Receipt Date: 19930524
Manifest ID: 92445128
Trans EPA ID: CAD008302903
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: Not reported
TSDf Alt EPA ID: CAD008302903
TSDf Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: F001
Meth Code: R01 - Recycler
Quantity Tons: 0.5212
Waste Quantity: 125
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

| | |
|-------------------------|-------------------------------|
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19930517 |
| Creation Date: | 9/9/1995 0:00:00 |
| Receipt Date: | 19930517 |
| Manifest ID: | 92075867 |
| Trans EPA ID: | CAD009522988 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAD009522988 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 1.6834 |
| Waste Quantity: | 443 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19930331 |
| Creation Date: | 9/6/1995 0:00:00 |
| Receipt Date: | 19930331 |
| Manifest ID: | 92075770 |
| Trans EPA ID: | CAD009522988 |
| Trans Name: | Not reported |
| Trans 2 EPA ID: | Not reported |
| Trans 2 Name: | Not reported |
| TSDf EPA ID: | CAD009522988 |
| Trans Name: | Not reported |
| TSDf Alt EPA ID: | Not reported |
| TSDf Alt Name: | Not reported |
| Waste Code Description: | 221 - Waste oil and mixed oil |
| RCRA Code: | Not reported |
| Meth Code: | R01 - Recycler |
| Quantity Tons: | 1.2958 |
| Waste Quantity: | 341 |
| Quantity Unit: | G |
| Additional Code 1: | Not reported |
| Additional Code 2: | Not reported |
| Additional Code 3: | Not reported |
| Additional Code 4: | Not reported |
| Additional Code 5: | Not reported |
| Shipment Date: | 19930211 |
| Creation Date: | 9/15/1995 0:00:00 |
| Receipt Date: | 19930211 |
| Manifest ID: | 92075681 |
| Trans EPA ID: | CAD009522988 |
| Trans Name: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HYDRO RUBBER & PLASTIC INC (Continued)

1000366292

Trans 2 EPA ID: Not reported
 Trans 2 Name: Not reported
 TSDf EPA ID: CAD009522988
 Trans Name: Not reported
 TSDf Alt EPA ID: CAD009522988
 TSDf Alt Name: Not reported
 Waste Code Description: 221 - Waste oil and mixed oil
 RCRA Code: Not reported
 Meth Code: R01 - Recycler
 Quantity Tons: 1.5314
 Waste Quantity: 403
 Quantity Unit: G
 Additional Code 1: Not reported
 Additional Code 2: Not reported
 Additional Code 3: Not reported
 Additional Code 4: Not reported
 Additional Code 5: Not reported

HWTS:

Name: HYDRO RUBBER & PLASTIC INC
 Address: 1200 FRANCISCO ST
 Address 2: Not reported
 City,State,Zip: TORRANCE, CA 905020000
 EPA ID: CAD981691397
 Inactive Date: 04/15/1994
 Create Date: 04/10/1987
 Last Act Date: 08/10/2004
 Mailing Name: Not reported
 Mailing Address: 222 MAIN ST STE 400
 Mailing Address 2: Not reported
 Mailing City,State,Zip: RACINE, WI 534030000
 Owner Name: --
 Owner Address: --
 Owner Address 2: Not reported
 Owner City,State,Zip: --, 99 --
 Contact Name: --
 Contact Address: --
 Contact Address 2: Not reported
 City,State,Zip: --, 99 --

122
 NNW
 1/2-1
 0.867 mi.
 4580 ft.

WESTERN CONCRETE STRUCTURE, INC
19113 SOUTH HAMILTON AVENUE
GARDENA, CA 90248

ENVIROSTOR S103948957
N/A

Relative:
Higher
Actual:
31 ft.

ENVIROSTOR:
 Name: WESTERN CONCRETE STRUCTURE, INC
 Address: 19113 SOUTH HAMILTON AVENUE
 City,State,Zip: GARDENA, CA 90248
 Facility ID: 19320133
 Status: Refer: Other Agency
 Status Date: 10/27/1994
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CONCRETE STRUCTURE, INC (Continued)

S103948957

NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.85687
Longitude: -118.2865
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Metals - Other Inorganic Solid Waste * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008799231
Alias Type: EPA Identification Number
Alias Name: 19320133
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: 10/27/1994
Comments: Site screening/file search concludes 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: WASTE OIL IS DISP OF IN PLASTIC LINED DRUMS & PLACED IN THE DUMPSTER(PICKED BY WESTERN REFUSE OF GARDEN), METAL SHAVING ARE SOLD AS SCRAP. ASP SURVEY 6/83 & T/C W/ C.SPIEVAK, WEST-ERN,1/4/85,213-321-1571 - SOURCE ACT: POST TENSIONING MATLS MFG & INSTALLATION -100%. SOLUBLE OIL USED. YR OF OERP:1957 -PRESENT 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: 01/06/1983
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1971-72 MANUFACTURER OF CONCRETE PRODUCTS

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CONCRETE STRUCTURE, INC (Continued)

S103948957

Schedule Revised Date: Not reported

123
WSW
1/2-1
0.880 mi.
4646 ft.

NORMANDIE AVE. PROPERTY
21000 NORMANDIE AVE.
LOS ANGELES, CA 90502

ENVIROSTOR S107027307
N/A

Relative:
Higher
Actual:
41 ft.

ENVIROSTOR:
Name: NORMANDIE AVE. PROPERTY
Address: 21000 NORMANDIE AVE.
City,State,Zip: LOS ANGELES, CA 90502
Facility ID: 19650040
Status: Refer: 1248 Local Agency
Status Date: 12/19/2002
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: 55
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.83889
Longitude: -118.2991
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19650040
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

124
NNW
1/2-1
0.905 mi.
4777 ft.

GOER MANUFACTURING CO INC WEST
19100 SOUTH VERMONT AVENUE
GARDENA, CA 90248

ENVIROSTOR **S101480920**
N/A

Relative:
Higher

Actual:
38 ft.

ENVIROSTOR:

Name: GOER MANUFACTURING CO INC WEST
Address: 19100 SOUTH VERMONT AVENUE
City,State,Zip: GARDENA, CA 90248
Facility ID: 19390007
Status: Refer: Other Agency
Status Date: 03/20/1984
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: 64
Senate: 35
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.85669
Longitude: -118.2893
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * OXYGENATED SOLVENTS * Sludge - Paint
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD063821011
Alias Type: EPA Identification Number
Alias Name: 110002653735
Alias Type: EPA (FRS #)
Alias Name: 19390007
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
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/20/1984
Comments: YR OF OPER: T/C W/ R. BAILEY,GOER MFG, 213-532-1685,3/20/84: 1971 TO PRESENT GENERATED 1 55GAL DRUM OF WASTE PER MONT SOURCE ACT: BOARD OF EQUALIZATIO DEPT OF BUSINESS - STORE FIXTURE MFG PLANT SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOER MANUFACTURING CO INC WEST (Continued)

S101480920

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: 11/01/1981
 Comments: FACILITY IDENTIFIED EPA NOTIS REPORT #3 GARDENA CITY HALL CLOSED NO DATA. CITY ENGR NO DATA

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

**125
 NNW
 1/2-1
 0.923 mi.
 4875 ft.**

**RUBBER TECK INC
 19115 S HAMILTON
 GARDENA, CA 90248**

**SEMS-ARCHIVE 1000162622
 RCRA-SQG CAD008489023
 ENVIROSTOR
 HIST CORTESE
 LOS ANGELES CO. HMS**

**Relative:
 Higher
 Actual:
 39 ft.**

SEMS Archive:
 Site ID: 0901110
 EPA ID: CAD008489023
 Name: RUBBER TECK INC
 Address: 19115 S HAMILTON ST
 Address 2: Not reported
 City,State,Zip: GARDENA, CA 90248
 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

SEMS Archive Detail:
 Region: 09
 Site ID: 0901110
 EPA ID: CAD008489023
 Site Name: RUBBER TECK INC
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1988-02-01 05:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse
 Region: 09

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RUBBER TECK INC (Continued)

1000162622

Site ID: 0901110
 EPA ID: CAD008489023
 Site Name: RUBBER TECK INC
 NPL: N
 FF: N
 OU: 00
 Action Code: PA
 Action Name: PA
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1988-02-01 05:00:00
 Qual: N
 Current Action Lead: EPA Perf

Region: 09
 Site ID: 0901110
 EPA ID: CAD008489023
 Site Name: RUBBER TECK INC
 NPL: N
 FF: N
 OU: 00
 Action Code: DS
 Action Name: DISCVRY
 SEQ: 1
 Start Date: 1985-07-01 05:00:00
 Finish Date: 1985-07-01 05:00:00
 Qual: Not reported
 Current Action Lead: St Perf

Region: 09
 Site ID: 0901110
 EPA ID: CAD008489023
 Site Name: RUBBER TECK INC
 NPL: N
 FF: N
 OU: 00
 Action Code: PA
 Action Name: PA
 SEQ: 2
 Start Date: 1985-07-01 05:00:00
 Finish Date: 1986-02-01 05:00:00
 Qual: L
 Current Action Lead: St Perf

RCRA-SQG:

| | | |
|-------------------------------|-----------------|-----------------------|
| Date Form Received by Agency: | | 1996-09-01 00:00:00.0 |
| Handler Name: | RUBBER TECK INC | |
| Handler Address: | | 19115 S HAMILTON |
| Handler City,State,Zip: | | GARDENA, CA 90248 |
| EPA ID: | | CAD008489023 |
| Contact Name: | | Not reported |
| Contact Address: | | Not reported |
| Contact City,State,Zip: | | Not reported |
| Contact Telephone: | | Not reported |
| Contact Fax: | | Not reported |
| Contact Email: | | Not reported |

Map ID
 Direction
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 Elevation

MAP FINDINGS

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EDR ID Number
 EPA ID Number

RUBBER TECK INC (Continued)

1000162622

| | |
|--|-----------------------------------|
| Contact Title: | Not reported |
| EPA Region: | 09 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | CA |
| State District: | 3 |
| Mailing Address: | S HAMILTON |
| Mailing City,State,Zip: | GARDENA, CA 90248 |
| Owner Name: | PAUL KARRS PRES OTTO GRASS V PRES |
| Owner Type: | Private |
| Operator Name: | NOT REQUIRED |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |

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RUBBER TECK INC (Continued)

1000162622

Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2000-09-15 17:29:12.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: Not reported

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: PAUL KARRES PRES OTTO GRASS V PRES
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-09-01 00:00:00.0
Handler Name: RUBBER TECK INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

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RUBBER TECK INC (Continued)

1000162622

List of NAICS Codes and Descriptions:

NAICS Code: 326299
NAICS Description: ALL OTHER RUBBER PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

ENVIROSTOR:

Name: RUBBER TECK INC
Address: 19115 HAMILTON STREET
City,State,Zip: GARDENA, CA 90248
Facility ID: 19300025
Status: Refer: Other Agency
Status Date: 04/25/1995
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: 64
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.85760
Longitude: -118.2880
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * OXYGENATED SOLVENTS
* AQUEOUS SOLUTION WITH TOTAL ORGANIC RESIDUES >= 10 * DETERGENT &
SOAP * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008489023
Alias Type: EPA Identification Number
Alias Name: 19300025
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: 04/25/1995
Comments: NOV CEASE DISCH OF WASTEWATER TO UNDER-G DISP SYSTEM. SUBMIT TO EPA
PRELIM ASSESS DONE CERCLA 104 SITE SCREENING DONE REASSESSMENT OF PA
DONE BY E&E RECOMMENDS NFA UNDER CERCLA DUE TO LOW ROUTE

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RUBBER TECK INC (Continued)

1000162622

CHARACTERISTICS VALUE AND LOW WASTE TOXICITY/PERSISTENCE VALUE. NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/18/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/08/1988
Comments: SITE SCREENING DONE DHS WILL CONDUCT A SI(LOW) TO ASSESS 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 DONE BY E&E RECOMMENDS NFA UNDER CERCLA DUE TO LOW ROUTE CHARACTERISTICS VALUE AND LOW WASTE TOXICITY/PERSISTENCE VALUE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/01/1985
Comments: HAULER: OIL EMULSIONS BY OIL & PUMPING; MEK BY OIL & SOLVENT PROCESS CO; WASTES IN CESSPOOL BY J.W.P.C.P. ASP 6/4/82- 1)SOURCE ACT: MOLDED RUBBER PRODS,DUCT CONNECTORS, SEALING DEVICES - FOR AIRCRAFT & MISSILE INDUST. 2)YR OF OPER: 1947 TO PRESENT ENF HISTORY: 3/14/78 LACE PLAN CORRECTOR BRICK-LINED CESSPOOL UNACCEPTABLE. 8/72 LACE. NOV-CEASE DISCH OF WASTEWATER TO UNDER-G DISP SYSTEM. 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: 03/09/1982
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1963 MFG, CONNECTORS, SEALS

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:
edr_fname: RUBBER TECK INC
edr_fadd1: 19115 HAMILTON
City,State,Zip: GARDENA, CA 90247

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RUBBER TECK INC (Continued)

1000162622

Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19300025

LOS ANGELES CO. HMS:

Name: RUBBER TECK INC
Address: 19115 S HAMILTON AVE
City,State,Zip: GARDENA, CA 90247
Region: LA
Permit Category: T
Facility Id: 001841-001916
Facility Type: 0
Facility Status: Removed
Area: 2
Permit Number: 00006294T
Permit Status: Removed

Name: RUBBER TECK INC
Address: 19115 S HAMILTON AVE
City,State,Zip: GARDENA, CA 90247
Region: LA
Permit Category: I
Facility Id: 001841-I01916
Facility Type: 09
Facility Status: Closed
Area: 2
Permit Number: 000008203
Permit Status: Closed

126
North
1/2-1
0.933 mi.
4928 ft.

**WILMINGTON/GRAMERCY RIGHT-OF-WAY
BETWEEN TRANSMISSION TOWERS 1038-1050
LOS ANGELES, CA 90746**

**ENVIROSTOR S106568229
VCP N/A**

**Relative:
Higher
Actual:
38 ft.**

ENVIROSTOR:
Name: WILMINGTON/GRAMERCY RIGHT-OF-WAY
Address: BETWEEN TRANSMISSION TOWERS 1038-1050
City,State,Zip: LOS ANGELES, CA 90746
Facility ID: 19490245
Status: Active
Status Date: 04/25/2000
Site Code: 300837
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 18.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Mustapha Guerbaz
Supervisor: Maryam Tasnif-Abbasi
Division Branch: Cleanup Cypress
Assembly: 64
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.85811
Longitude: -118.2837
APN: NONE SPECIFIED
Past Use: WASTE - INDUSTRIAL TREATMENT FACILITY
Potential COC: TPH-gas Polynuclear aromatic hydrocarbons (PAHs)
Confirmed COC: 30472-NO 30025-NO
Potential Description: AQUI, SOIL, SV
Alias Name: DEPARTMENT OF WATER & POWER
Alias Type: Alternate Name
Alias Name: TOWERS 1041 TO 1048
Alias Type: Alternate Name
Alias Name: TRANSMISSION LINE RIGHT-OF-WAY
Alias Type: Alternate Name
Alias Name: WILMINGTON-GRAMERCY
Alias Type: Alternate Name
Alias Name: 110033606319
Alias Type: EPA (FRS #)
Alias Name: 300837
Alias Type: Project Code (Site Code)
Alias Name: 19490245
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2017
Comments: Action complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/14/2017
Comments: Review completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/02/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/07/2017
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Date: 11/30/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/14/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/24/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/16/2007
Comments: DTSC approved the groundwater sampling plan on April 16, 2007. They asked DWP to give them seven days notice before beginning field work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/02/2008
Comments: DTSC gave DWP conditional approval of the workplan, and authorized them to proceed with the work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/19/2001
Comments: DTSC approved of this workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/20/2002
Comments: DTSC stated that this phase of the RI was completed, but recommended that a second phase of the RI for this site be performed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 08/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/30/2003
Comments: DTSC accepted this workplan.

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 06/27/2001
Comments: DTSC accepted this Health and Safety Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/31/1998
Comments: DTSC accepted this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/11/2013
Comments: The Groundwater monitoring network at W/G ROW is being expanded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2013
Comments: The Groundwater monitoring network at W/G ROW is being expanded. A site visit was conducted in July 2013 and a project meeting was held in August 2013 to discuss the proposed expansion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/12/2013
Comments: DTSC submitted comments on the third quarter GWMR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/13/2014
Comments: DTSC submitted comments in March 2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/13/2014
Comments: DTSC submitted comments on the Q1 2014 GW Monitoring Report and GW Installation Work Plan

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/08/2014
Comments: Review completed on 10/7/2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/12/2014
Comments: DTSC reviewed and submitted comments on this report on 9/12/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/06/2015
Comments: Review completed - comments sent to LADWP on 2/6/15.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/17/2015
Comments: DTSC completed review of this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/12/2014
Comments: DTSC submitted comments on the Final On-site CSM on 9/12/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/12/2014
Comments: DTSC submitted comments on the Final Off-site CSM on 9/12/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/20/2015
Comments: DTSC submitted comments on the Final Data Gap Work Plan on 2/20/2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/20/2015
Comments: DTSC submitted comments on the Final Soil Gas Work Plan on 2/20/2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/04/2014
Comments: DTSC reviewed the Tech Memo and submitted comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Date: 07/08/2015
Comments: DTSC reviewed and submitted comments on the Tech Memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: DTSC submitted comments on this report on March 11, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: DTSC submitted comments on this report on March 11, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: DTSC submitted comments on this report on March 11, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2016
Comments: DTSC submitted comments on 8/5/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2016
Comments: DTSC submitted comments on both GWMRs on 12/21/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2016
Comments: DTSC submitted comments on both GWMRs on 12/21/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/15/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/20/2016
Comments: Action completed. The LADWP will be submitting a Draft Site Investigation/Assessment WP.

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 on 10/26/2010.

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WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/02/2001
Comments: DTSC entered into an Amended Voluntary Cleanup Agreement (Docket No. HSA-A 99/00-081-Amendment) with LADWP to conduct a Remedial Investigation and Feasibility Study. LADWP is to submit the Workplan to DTSC by 06/11/01.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/25/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with the Los Angeles City Department of Water and Power. The purpose of this Agreement was for DTSC to review and comment on the results of a previous investigation (Oil Sump Investigation Report dated October 1998) and to provide oversight for a Preliminary Endangerment Assessment (PEA). It was later decided that LADWP was to perform a Remedial Investigation and Feasibility Study instead of a PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/04/2011
Comments: Second collection letter sent certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/29/2011
Comments: Reminder letter regarding past due invoices.

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: Annual Oversight Cost Estimate
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate completed.

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/02/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 01/17/2021
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 04/23/2021
Schedule Revised Date: Not reported

VCP:

Name: WILMINGTON/GRAMERCY RIGHT-OF-WAY
Address: BETWEEN TRANSMISSION TOWERS 1038-1050
City,State,Zip: LOS ANGELES, CA 90746
Facility ID: 19490245
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 18.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Mustapha Guerbaz
Supervisor: Maryam Tasnif-Abbasi
Division Branch: Cleanup Cypress
Site Code: 300837
Assembly: 64

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 04/25/2000
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85811 / -118.2837
APN: NONE SPECIFIED
Past Use: WASTE - INDUSTRIAL TREATMENT FACILITY
Potential COC: 30025, 30472
Confirmed COC: 30472-NO,30025-NO
Potential Description: AQUI, SOIL, SV
Alias Name: DEPARTMENT OF WATER & POWER
Alias Type: Alternate Name
Alias Name: TOWERS 1041 TO 1048
Alias Type: Alternate Name
Alias Name: TRANSMISSION LINE RIGHT-OF-WAY
Alias Type: Alternate Name
Alias Name: WILMINGTON-GRAMERCY
Alias Type: Alternate Name
Alias Name: 110033606319
Alias Type: EPA (FRS #)
Alias Name: 300837
Alias Type: Project Code (Site Code)
Alias Name: 19490245
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/23/2017
Comments: Action complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/14/2017
Comments: Review completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/02/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/07/2017
Comments: Activity completed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/14/2017
Comments: Action completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/02/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/14/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/10/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/24/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/16/2007
Comments: DTSC approved the groundwater sampling plan on April 16, 2007. They asked DWP to give them seven days notice before beginning field work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/02/2008
Comments: DTSC gave DWP conditional approval of the workplan, and authorized them to proceed with the work.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/19/2001
Comments: DTSC approved of this workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 11/20/2002
Comments: DTSC stated that this phase of the RI was completed, but recommended that a second phase of the RI for this site be performed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 08/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Date: 11/30/2003
Comments: DTSC accepted this workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 06/27/2001
Comments: DTSC accepted this Health and Safety Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/31/1998
Comments: DTSC accepted this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/11/2013
Comments: The Groundwater monitoring network at W/G ROW is being expanded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/15/2013
Comments: The Groundwater monitoring network at W/G ROW is being expanded. A site visit was conducted in July 2013 and a project meeting was held in August 2013 to discuss the proposed expansion.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/12/2013
Comments: DTSC submitted comments on the third quarter GWMR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/13/2014
Comments: DTSC submitted comments in March 2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/13/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Comments: DTSC submitted comments on the Q1 2014 GW Monitoring Report and GW Installation Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/08/2014
Comments: Review completed on 10/7/2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/12/2014
Comments: DTSC reviewed and submitted comments on this report on 9/12/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/06/2015
Comments: Review completed - comments sent to LADWP on 2/6/15.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/17/2015
Comments: DTSC completed review of this report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/12/2014
Comments: DTSC submitted comments on the Final On-site CSM on 9/12/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/12/2014
Comments: DTSC submitted comments on the Final Off-site CSM on 9/12/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/20/2015
Comments: DTSC submitted comments on the Final Data Gap Work Plan on 2/20/2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/20/2015
Comments: DTSC submitted comments on the Final Soil Gas Work Plan on 2/20/2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/04/2014
Comments: DTSC reviewed the Tech Memo and submitted comments.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/08/2015
Comments: DTSC reviewed and submitted comments on the Tech Memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: DTSC submitted comments on this report on March 11, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: DTSC submitted comments on this report on March 11, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/15/2016
Comments: DTSC submitted comments on this report on March 11, 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/09/2016
Comments: DTSC submitted comments on 8/5/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2016
Comments: DTSC submitted comments on both GWMRs on 12/21/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2016
Comments: DTSC submitted comments on both GWMRs on 12/21/2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/15/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/20/2016
Comments: Action completed. The LADWP will be submitting a Draft Site Investigation/Assessment WP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2010
Comments: Letter sent on 10/26/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/02/2001
Comments: DTSC entered into an Amended Voluntary Cleanup Agreement (Docket No. HSA-A 99/00-081-Amendment) with LADWP to conduct a Remedial Investigation and Feasibility Study. LADWP is to submit the Workplan to DTSC by 06/11/01.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/25/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) with the Los Angeles City Department of Water and Power. The purpose of this Agreement was for DTSC to review and comment on the results of a previous investigation (Oil Sump Investigation Report dated October 1998) and to provide oversight for a Preliminary Endangerment Assessment (PEA). It was later decided that LADWP was to perform a Remedial Investigation and Feasibility Study instead of a PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/04/2011
Comments: Second collection letter sent certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/29/2011
Comments: Reminder letter regarding past due invoices.

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: Annual Oversight Cost Estimate
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILMINGTON/GRAMERCY RIGHT-OF-WAY (Continued)

S106568229

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/02/2016
Comments: FY 2016/2017 ACE completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/11/2018
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/07/2019
Comments: Activity completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2019
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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 01/17/2021
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 04/23/2021
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

127
 WNW
 1/2-1
 0.994 mi.
 5248 ft.

REDMAN EQUIPMENT & MANUFACTURING COMPANY
19800 NORMANDIE AVE.
TORRANCE, CA 90505

RCRA-LQG 1000295487
ENVIROSTOR CAD008247900
 LUST
 VCP
CERS HAZ WASTE
SWEEPS UST
 ICIS
 FINDS
 ECHO
 Cortese
 ENF
HIST CORTESE
 NPDES
 CIWQS
 CERS

Relative:
Higher

Actual:
51 ft.

RCRA-LQG:

| | |
|--|--|
| Date Form Received by Agency: | 2020-02-01 00:00:00.0 |
| Handler Name: | REDMAN EQUIPMENT & MANUFACTURING COMPANY |
| Handler Address: | 19800 NORMANDIE AVENUE |
| Handler City,State,Zip: | TORRANCE, CA 90502-0000 |
| EPA ID: | CAD008247900 |
| Contact Name: | DALE W BOTTS |
| Contact Address: | NORMANDIE AVENUE |
| Contact City,State,Zip: | TORRANCE, CA 90502 |
| Contact Telephone: | 310-329-1134 |
| Contact Fax: | Not reported |
| Contact Email: | DALE@REDMANEQ.COM |
| Contact Title: | ENV. & SAFETY MANAGER |
| EPA Region: | 09 |
| Land Type: | Private |
| Federal Waste Generator Description: | Large Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | 2019 |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | Not reported |
| State District: | Not reported |
| Mailing Address: | NORMANDIE AVENUE |
| Mailing City,State,Zip: | TORRANCE, CA 90502 |
| Owner Name: | NORMANDIE BRR PROPERTIES |
| Owner Type: | Private |
| Operator Name: | REDMAN EQUIPMENT & MANUFACTURING COMPANY |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|--|-----------------------|
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | N |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDs Where RCRA CA has Been Imposed Universe: | No |
| TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSD Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2020-06-02 19:36:21.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | No |

Biennial: List of Years

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Year: 2013

[Click Here for Biennial Reporting System Data:](#)

Year: 2011

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

[Click Here for Biennial Reporting System Data:](#)

Year: 2007

[Click Here for Biennial Reporting System Data:](#)

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Year: 2003

[Click Here for Biennial Reporting System Data:](#)

Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: K050
Waste Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Handler - Owner Operator:

| | |
|--------------------------------|--|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | REDMAN EQUIPMENT & MANUFACTURING COMPANY |
| Legal Status: | Private |
| Date Became Current: | 1962-04-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|--------------------------------|--------------------------|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NORMANDIE BRR PROPERTIES |
| Legal Status: | Private |
| Date Became Current: | 1989-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVENUE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | 310-329-1134 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | DALE@REDMANEQ.COM |

| | |
|--------------------------------|----------------------|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | REDMAN EQUIPMENT |
| Legal Status: | Private |
| Date Became Current: | 1962-04-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|--------------------------------|--------------------------|
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NORMANDIE BRR PROPERTIES |
| Legal Status: | Private |
| Date Became Current: | 1989-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVENUE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NORMANDIE BRR PROPERTIES |
| Legal Status: | Private |
| Date Became Current: | 1989-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVENUE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NORMANDIE BRR PROPERTIES |
| Legal Status: | Private |
| Date Became Current: | 1989-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NORMANDIE BRR PROPERTIES |
| Legal Status: | Private |
| Date Became Current: | 1989-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMADIE AVE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | 310-329-1134 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NOT REQUIRED |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: REDMAN EQUIPMT & MFG CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NORMANDIE BRR PROPERTIES
Legal Status: Private
Date Became Current: 1989-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 19800 NORMANDIE AVENUE
Owner/Operator City,State,Zip: TORRANCE, CA 90502
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DON & JERRY REDMAN
Legal Status: Private
Date Became Current: 1989-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DON AND JERRY REDMAN
Legal Status: Private
Date Became Current: 1989-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: REDMAN EQUIPMENT AND MFG CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|--------------------------------|--|
| Legal Status: | Private |
| Date Became Current: | 1962-04-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | REDMAN EQUIPMENT & MANUFACTURING COMPANY |
| Legal Status: | Private |
| Date Became Current: | 1962-04-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVENUE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | 310-329-1134 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | ENVSAF@REDMANEQ.COM |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NORMANDIE BRR PROPERTIES |
| Legal Status: | Private |
| Date Became Current: | 1989-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | 310-324-5656 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | REDMAN EQUIPMENT & MFG. CO. |
| Legal Status: | Private |
| Date Became Current: | 1962-04-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | REDMAN EQUIPMENT & MANUFACTURING COMPANY |
| Legal Status: | Private |
| Date Became Current: | 1962-04-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 19800 NORMANDIE AVENUE |
| Owner/Operator City,State,Zip: | TORRANCE, CA 90502 |
| Owner/Operator Telephone: | 310-329-1134 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | JANELLE@REDMANEQ.COM |

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Owner/Operator Indicator: Owner
Owner/Operator Name: NORMANDIE BRR PROPERTIES
Legal Status: Private
Date Became Current: 1989-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 19800 NORMANDIE AVENUE
Owner/Operator City,State,Zip: TORRANCE, CA 90502
Owner/Operator Telephone: 310-329-1134
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ENVSAF@REDMANEQ.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: DON & JERRY REDMAN
Legal Status: Private
Date Became Current: 1989-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: REDMAN EQUIPMENT
Legal Status: Private
Date Became Current: 1962-04-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DON AND JERRY REDMAN
Legal Status: Private
Date Became Current: 1989-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 19800 NORMANDIE AVE
Owner/Operator City,State,Zip: TORRANCE, CA 90502
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: REDMAN EQUIPMENT
Legal Status: Private
Date Became Current: 1962-04-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2010-08-10 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG. CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-03-28 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-01 00:00:00.0
Handler Name: REDMAN EQUIPMENT AND MANUFACTURING CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-05-20 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-02-06 00:00:00.0

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Handler Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2020-02-01 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1996-09-01 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1987-09-15 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-06-15 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-03-30 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-29 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG. CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2000-10-12 00:00:00.0
Handler Name: REDMAN EQUIP. & MFG.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-19 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG. CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Electronic Manifest Broker: Not reported

Receive Date: 2004-02-23 00:00:00.0
Handler Name: REDMAN EQUIPMENT AND MFG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-03-13 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG. CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-02-19 00:00:00.0
Handler Name: REDMAN EQUIPMENT & MFG. CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 324199
NAICS Description: ALL OTHER PETROLEUM AND COAL PRODUCTS MANUFACTURING

NAICS Code: 332313
NAICS Description: PLATE WORK MANUFACTURING

NAICS Code: 33241
NAICS Description: POWER BOILER AND HEAT EXCHANGER MANUFACTURING

NAICS Code: 332410
NAICS Description: POWER BOILER AND HEAT EXCHANGER MANUFACTURING

NAICS Code: 332999
NAICS Description: ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

NAICS Code: 81149
NAICS Description: OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 2019-07-10 00:00:00.0
Actual Return to Compliance Date: 2019-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2019-09-16 00:00:00.0
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SYLIN
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 2019-07-10 00:00:00.0
Actual Return to Compliance Date: 2019-08-02 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2019-09-16 00:00:00.0
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported

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EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SYLIN
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 2019-07-10 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: SYLIN
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2019-08-02 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2019-07-10 00:00:00.0
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: SYLIN
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2019-08-02 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

ENVIROSTOR:

Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60001366

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Database(s)

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Status: Active
Status Date: 06/23/2015
Site Code: 401548
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3.2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 64
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.85106
Longitude: -118.2986
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL, UNDERGROUND STORAGE TANKS
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2-Dichloroethylene (cis Naphthalene 1,2,4-Trimethylbenzene Xylenes
Confirmed COC: Tetrachloroethylene (PCE Naphthalene 1,2-Dichloroethylene (cis Xylenes 1,2,4-Trimethylbenzene Trichloroethylene (TCE
Potential Description: SOIL, SV
Alias Name: 401548
Alias Type: Project Code (Site Code)
Alias Name: 60001366
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/28/2010
Comments: Agreement fully executed.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/24/2011
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/26/2012
Comments: Reimbursement Agreement Extension executed
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/07/2013
Comments: Reimbursement Agreement Extension completed and executed
Completed Area Name: PROJECT WIDE

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/10/2014
Comments: Confirmation was made that project has been closed out in the Cost Recovery Billing System.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/23/2015
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/01/2010
Comments: Document reviewed and discussed in a team meeting. Meeting notes that contained recommendations/comments sent to RP's attorney as discussion items for future activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/09/2011
Comments: Workplan approved. RP will provide 2 weeks notification prior to fieldwork commencing

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2016
Comments: .

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/29/2019
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 11/22/2019
Comments: The Well Decommissioning Workplan was approved on 10/30/2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Completed Date: 08/30/2017
Comments: FY 1718 Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2018
Comments: FY1819_Annual Cost Estimate Letter_Redman_401548

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 06/11/2018
Comments: After consultation with CEQA, there will be an CEQA exemption on this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/19/2018
Comments: Tribal representative didn't show-up at the site during excavation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/09/2019
Comments: Revised FY 1819 Estimate: \$57,857

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
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 REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-06699
Status: Leak being confirmed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703251
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 190TH STREET
Enforcement Type: Not reported
Date Leak Discovered: 9/7/1994
Date Leak First Reported: 9/8/1994

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Date Leak Record Entered: 1/20/1995
Date Confirmation Began: 9/8/1994
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/8/1994
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: JERRY REDMAN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8259.573940703036542483561216
Source of Cleanup Funding: Tank
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: REDMAN EQUIPMENT
RP Address: Not reported
Program: LUST
Lat/Long: 33.8513412 / -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

LUST:

Name: REDMAN EQUIPMENT
Address: 19800 NORMANDIE AVE S
City,State,Zip: TORRANCE, CA 90502
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703251
Global Id: T0603703251
Latitude: 33.8510626
Longitude: -118.2991983
Status: Completed - Case Closed
Status Date: 08/17/2007
Case Worker: AT
RB Case Number: I-06699
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Local Case Number: 06699
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603703251
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603703251
Contact Type: Local Agency Caseworker
Contact Name: GILLIAN MINTIER
Organization Name: LOS ANGELES COUNTY
Address: 900 SOUTH FREMONT AVE
City: ALHAMBRA
Email: gmintier@ladpw.org
Phone Number: Not reported

LUST:

Global Id: T0603703251
Action Type: Other
Date: 09/08/1994
Action: Leak Reported

Global Id: T0603703251
Action Type: RESPONSE
Date: 11/15/2006
Action: Other Report / Document

Global Id: T0603703251
Action Type: RESPONSE
Date: 12/01/2006
Action: Soil and Water Investigation Report

Global Id: T0603703251
Action Type: RESPONSE
Date: 06/11/2007
Action: Request for Closure

Global Id: T0603703251
Action Type: RESPONSE
Date: 12/01/2006
Action: Request for Closure

Global Id: T0603703251
Action Type: ENFORCEMENT
Date: 10/18/2006
Action: Staff Letter

Global Id: T0603703251
Action Type: ENFORCEMENT

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Date: 02/22/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603703251
Action Type: ENFORCEMENT
Date: 08/17/2007
Action: Closure/No Further Action Letter

Global Id: T0603703251
Action Type: Other
Date: 09/07/1994
Action: Leak Discovery

LUST:

Global Id: T0603703251
Status: Open - Case Begin Date
Status Date: 09/07/1994

Global Id: T0603703251
Status: Open - Site Assessment
Status Date: 09/08/1994

Global Id: T0603703251
Status: Open - Site Assessment
Status Date: 12/01/2006

Global Id: T0603703251
Status: Completed - Case Closed
Status Date: 08/17/2007

VCP:

Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Facility ID: 60001366
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401548
Assembly: 64
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 06/23/2015
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.85106 / -118.2986

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL, UNDERGROUND STORAGE TANKS
Potential COC: 30022, 30027, 30195, 30484, 30577, 30593
Confirmed COC: 30022,30484,30195,30593,30577,30027
Potential Description: SOIL, SV
Alias Name: 401548
Alias Type: Project Code (Site Code)
Alias Name: 60001366
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/28/2010
Comments: Agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/24/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/26/2012
Comments: Reimbursement Agreement Extension executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 10/07/2013
Comments: Reimbursement Agreement Extension completed and executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/10/2014
Comments: Confirmation was made that project has been closed out in the Cost Recovery Billing System.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/23/2015
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/01/2010

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Comments: Document reviewed and discussed in a team meeting. Meeting notes that contained recommendations/comments sent to RP's attorney as discussion items for future activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/09/2011
Comments: Workplan approved. RP will provide 2 weeks notification prior to fieldwork commencing

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2016
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/29/2019
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/31/2018

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 11/22/2019
Comments: The Well Decommissioning Workplan was approved on 10/30/2019

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 02/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/30/2017
Comments: FY 1718 Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/13/2018
Comments: FY1819_Annual Cost Estimate Letter_Redman_401548

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 06/11/2018
Comments: After consultation with CEQA, there will be an CEQA exemption on this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/19/2018
Comments: Tribal representative didn't show-up at the site during excavation.

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MAP FINDINGS

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EDR ID Number
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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/09/2019
Comments: Revised FY 1819 Estimate: \$57,857

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
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

CERS HAZ WASTE:

Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 147185
CERS ID: 10269190
CERS Description: Hazardous Waste Generator

Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 147185
CERS ID: 10269190
CERS Description: RCRA LQ HW Generator

SWEEPS UST:

Name: REDMAN EQUIPMENT MANUFACTURING
Address: 19800 NORMANDIE AVE
City: TORRANCE
Status: Not reported
Comp Number: 3650
Number: Not reported
Board Of Equalization: 44-013180
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003650-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

ICIS:

Enforcement Action ID: CA-N00003682
FRS ID: 110000902630
Action Name: REDMAN EQUIPMENT & MFG CO (Permit CA0058726) Viol. Notice To Regultd

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Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Entity
Facility Name: REDMAN EQUIPMENT & MFG CO
Facility Address: 19800 NORMANDIE AVE
TORRANCE, CA 90502
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3443
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.851306
Longitude in Decimal Degrees: -118.299028
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0058726
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00001518
FRS ID: 110000902630
Action Name: REDMAN EQUIPMENT & MFG CO (Permit CA0058726) Viol. Notice To Reguldt
Entity
Facility Name: REDMAN EQUIPMENT & MFG CO
Facility Address: 19800 NORMANDIE AVE
TORRANCE, CA 90502
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3443
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.851306
Longitude in Decimal Degrees: -118.299028
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0058726
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00001517
FRS ID: 110000902630
Action Name: REDMAN EQUIPMENT & MFG CO (Permit CA0058726) Letter Of
Violation/Warning Letter
Facility Name: REDMAN EQUIPMENT & MFG CO
Facility Address: 19800 NORMANDIE AVE
TORRANCE, CA 90502
Enforcement Action Type: Letter of Violation/ Warning Letter
Facility County: LOS ANGELES
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LOVWL
Facility SIC Code: 3443
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.851306
Longitude in Decimal Degrees: -118.299028
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0058726

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EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00000837
FRS ID: 110000902630
Action Name: REDMAN EQUIPMENT & MFG CO (Permit CA0058726) Penalty Ao Issued By State

Facility Name: REDMAN EQUIPMENT & MFG CO
Facility Address: 19800 NORMANDIE AVE
TORRANCE, CA 90502

Enforcement Action Type: State CWA Penalty AO
Facility County: LOS ANGELES
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAPO
Facility SIC Code: 3443
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.851306
Longitude in Decimal Degrees: -118.299028
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0058726
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-2010-1143
FRS ID: 110000902630
Action Name: Redman Equipment & Mfg Co - EPL
Facility Name: REDMAN EQUIPMENT & MFG CO
Facility Address: 19800 NORMANDIE AVE
TORRANCE, CA 90502

Enforcement Action Type: State CWA Penalty AO
Facility County: LOS ANGELES
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAPO
Facility SIC Code: 3443
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.851306
Longitude in Decimal Degrees: -118.299028
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0058726
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-2009-1187
FRS ID: 110000902630
Action Name: Redman Equipment & Mfg Co - EPL
Facility Name: REDMAN EQUIPMENT & MFG CO
Facility Address: 19800 NORMANDIE AVE
TORRANCE, CA 90502

Enforcement Action Type: State CWA Penalty AO
Facility County: LOS ANGELES
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAPO
Facility SIC Code: 3443
Federal Facility ID: Not reported

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MAP FINDINGS

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EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Latitude in Decimal Degrees: 33.851306
Longitude in Decimal Degrees: -118.299028
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0058726
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2009-3001
FRS ID: 110000902630
Action Name: Redman Equipment & Manufacturing Company
Facility Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Facility Address: 19800 NORMANDIE AVE.
TORRANCE, CA 90505-1182

Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: LOS ANGELES
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 325
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.851728
Longitude in Decimal Degrees: -118.29924
Permit Type Desc: Not reported
Program System Acronym: 600044696
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO

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Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVENUE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110000902630

Click Here:

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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 WASTE BIENNIAL REPORTER
STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000295487
Registry ID: 110000902630
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000902630>
Name: REDMAN EQUIPMENT & MANUFACTURING COMPANY
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502

CORTESE:

Name: REDMAN EQUIPMENT
Address: 19800 NORMANDIE AVE S
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603703251
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

ENF:

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.052
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDNONMUNIPRCS
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192090001
Reg Measure Id: 297455
Reg Measure Type: NPDES Permits
Region: 4
Order #: R4-2005-0066
Npdes# CA#: CA0058726
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 01/28/2014
Effective Date: 11/05/2005
Expiration/Review Date: 09/10/2010
Termination Date: 08/31/2011
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 15 - WDRs pending rescission
Direction/Voice: Passive
Enforcement Id(EID): 373360
Region: 4

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Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Order / Resolution Number: R4-2010-0017-M
Enforcement Action Type: Admin Civil Liability
Effective Date: 02/18/2010
Adoption/Issuance Date: 01/19/2011
Achieve Date: Not reported
Termination Date: 01/28/2011
ACL Issuance Date: Not reported
EPL Issuance Date: 02/18/2010
Status: Historical
Title: EPL R4-2010-0017-M issued 2/18/10 for 6 effluent violations CI 6465
Description: EPL R4-2010-0017-M for \$18,000 issued 2/18/10 for 8 effluent violations (6 MMP). On 11/01/10 the penalty was revised to \$30,000 for 13 effluent violations (10 MMPs). On 12/07/10 the penalty was revised to \$15,000 for 13 effluent violations (5 MMPs)
Program: NPDNONMUNIPRCS
Latest Milestone Completion Date: 1/28/2011
Of Programs1: 1
Total Assessment Amount: 15000
Initial Assessed Amount: 18000
Liability \$ Amount: 15000
Project \$ Amount: 0
Liability \$ Paid: 15000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 15000

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.052
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDESWW
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192090001
Reg Measure Id: 147717
Reg Measure Type: NPDES Permits
Region: 4
Order #: 00-065
Npdes# CA#: CA0058726
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 10/05/2005
Effective Date: 05/25/2000
Expiration/Review Date: 04/10/2005
Termination Date: 10/04/2005
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 358095
Region: 4
Order / Resolution Number: SWB-2008-4-0070
Enforcement Action Type: Admin Civil Liability
Effective Date: 07/15/2009
Adoption/Issuance Date: 07/15/2009
Achieve Date: Not reported
Termination Date: 08/17/2009
ACL Issuance Date: 12/09/2008
EPL Issuance Date: Not reported
Status: Historical
Title: Expedited Payment Letter for Redman Equipment & Mfg Co
Description: MMP Amount for Effluent Violations (4 Serious Violations) +
\$3,000 = \$12,000 to the Cleanup & Abatement Account
Program: NPDESWW
Latest Milestone Completion Date: 8/17/2009
Of Programs1: 1
Total Assessment Amount: 12000
Initial Assessed Amount: 12000
Liability \$ Amount: 12000
Project \$ Amount: 0
Liability \$ Paid: 12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Project \$ Completed: 0
Total \$ Paid/Completed Amount: 12000

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.052
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDESWW
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192090001
Reg Measure Id: 147717
Reg Measure Type: NPDES Permits
Region: 4
Order #: 00-065
Npdes# CA#: CA0058726
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 10/05/2005
Effective Date: 05/25/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Expiration/Review Date: 04/10/2005
Termination Date: 10/04/2005
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 306015
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 05/19/2006
Adoption/Issuance Date: 05/19/2006
Achieve Date: Not reported
Termination Date: 06/19/2006
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: CI 6465 NOV Redman Equipment (05/19/06)
Description: NOV sent 05/19/06 to Redman Equipment and Manufacturing Company for 7 effluent violations, 6 reporting violations, inspection violations.
Program: NPDESWW
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0
Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|----------------------------------|----------------------------|
| NAICS Code 1: | Not reported |
| NAICS Desc 1: | Not reported |
| NAICS Code 2: | Not reported |
| NAICS Desc 2: | Not reported |
| NAICS Code 3: | Not reported |
| NAICS Desc 3: | Not reported |
| # Of Places: | 1 |
| Source Of Facility: | Reg Meas |
| Design Flow: | 0.052 |
| Threat To Water Quality: | 3 |
| Complexity: | C |
| Pretreatment: | X - Facility is not a POTW |
| Facility Waste Type: | Stormwater runoff |
| Facility Waste Type 2: | Not reported |
| Facility Waste Type 3: | Not reported |
| Facility Waste Type 4: | Not reported |
| Program: | NPDESWW |
| Program Category1: | NPDESWW |
| Program Category2: | NPDESWW |
| # Of Programs: | 1 |
| WDID: | 4B192090001 |
| Reg Measure Id: | 147717 |
| Reg Measure Type: | NPDES Permits |
| Region: | 4 |
| Order #: | 00-065 |
| Npdes# CA#: | CA0058726 |
| Major-Minor: | Minor |
| Npdes Type: | OTH |
| Reclamation: | N - No |
| Dredge Fill Fee: | Not reported |
| 301H: | N |
| Application Fee Amt Received: | Not reported |
| Status: | Historical |
| Status Date: | 10/05/2005 |
| Effective Date: | 05/25/2000 |
| Expiration/Review Date: | 04/10/2005 |
| Termination Date: | 10/04/2005 |
| WDR Review - Amend: | Not reported |
| WDR Review - Revise/Renew: | Not reported |
| WDR Review - Rescind: | Not reported |
| WDR Review - No Action Required: | Not reported |
| WDR Review - Pending: | Not reported |
| WDR Review - Planned: | Not reported |
| Status Enrollee: | N |
| Individual/General: | I |
| Fee Code: | Not reported |
| Direction/Voice: | Passive |
| Enforcement Id(EID): | 230341 |
| Region: | 4 |
| Order / Resolution Number: | NOV |
| Enforcement Action Type: | Notice of Violation |
| Effective Date: | 04/24/2000 |
| Adoption/Issuance Date: | 04/24/2000 |
| Achieve Date: | Not reported |
| Termination Date: | 05/24/2000 |
| ACL Issuance Date: | Not reported |
| EPL Issuance Date: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Status: Historical
Title: CI 6465 NOV Redman Equipment (04/24/00)
Description: Notice of Violation sent 4/24/00 for effluent violations.
Program: NPDESWW
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.052
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDESWW
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192090001
Reg Measure Id: 147717
Reg Measure Type: NPDES Permits
Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Order #: 00-065
Npdes# CA#: CA0058726
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 10/05/2005
Effective Date: 05/25/2000
Expiration/Review Date: 04/10/2005
Termination Date: 10/04/2005
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 228740
Region: 4
Order / Resolution Number: R4-2000-0187R
Enforcement Action Type: Admin Civil Liability
Effective Date: 01/12/2001
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 01/29/2001
ACL Issuance Date: 01/12/2001
EPL Issuance Date: Not reported
Status: Historical
Title: CI 6465 MMP R4-2000-0187R (01/12/01)
Description: Complaint No. 00-187R for \$6,000 was issued 1/12/01 for effluent violations, replacing Complaint No. 00-187.
Program: NPDESWW
Latest Milestone Completion Date: 12/12/2002
Of Programs1: 1
Total Assessment Amount: 6000
Initial Assessed Amount: 0
Liability \$ Amount: 3000
Project \$ Amount: 0
Liability \$ Paid: 3000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 6000

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.052
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDESWW
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192090001
Reg Measure Id: 147717
Reg Measure Type: NPDES Permits
Region: 4
Order #: 00-065
Npdes# CA#: CA0058726
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 10/05/2005
Effective Date: 05/25/2000
Expiration/Review Date: 04/10/2005
Termination Date: 10/04/2005
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Enforcement Id(EID): 228359
Region: 4
Order / Resolution Number: R4-2000-0187
Enforcement Action Type: Admin Civil Liability
Effective Date: 12/15/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 01/11/2001
ACL Issuance Date: 12/15/2000
EPL Issuance Date: Not reported
Status: Withdrawn
Title: CI 6465 MMP R4-2000-0187 (12/15/00)
Description: Complaint No. 00-187 for \$9,000 issued 12/15/00 for effluent violations.

Program: NPDESWW
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: 4
Facility Id: 253949
Agency Name: Redman Equipment & Manufacturing Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.851866
Place Longitude: -118.299227
SIC Code 1: 3443
SIC Desc 1: Fabricated Plate Work (Boiler Shops)
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.052
Threat To Water Quality: 3
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDESWW
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192090001
Reg Measure Id: 147717
Reg Measure Type: NPDES Permits
Region: 4
Order #: 00-065
Npdes# CA#: CA0058726
Major-Minor: Minor
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Historical
Status Date: 10/05/2005
Effective Date: 05/25/2000
Expiration/Review Date: 04/10/2005
Termination Date: 10/04/2005
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 227692
Region: 4
Order / Resolution Number: NNC
Enforcement Action Type: Staff Enforcement Letter
Effective Date: 07/13/1999
Adoption/Issuance Date: 07/13/1999
Achieve Date: Not reported
Termination Date: 08/13/1999
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: CI 6465 NNC Redman Equipment (07/13/99)
Description: Notice of Noncompliance letter sent 7/13/99.
Program: NPDESWW
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

HIST CORTESE:

edr_fname: REDMAN EQUIPMENT
edr_fadd1: 19800 NORMANDIE
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-06699

NPDES:

Name: REDMAN EQUIPMENT MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 419881
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I023318
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/07/2011
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 19800 Normandie Ave
Discharge Name: Redman Equipment Manufacturing Co
Discharge City: Torrance
Discharge State: California
Discharge Zip: 90502
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 419881
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I023318
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|-------------------------------|---|
| Discharge City: | Not reported |
| Discharge State: | Not reported |
| Discharge Zip: | Not reported |
| Received Date: | 09/07/2011 |
| Processed Date: | 09/07/2011 |
| Status: | Active |
| Status Date: | 09/07/2011 |
| Place Size: | 3.1 |
| Place Size Unit: | Acres |
| Contact: | Dale Botts |
| Contact Title: | Environmental and Safety Manager |
| Contact Phone: | 310-329-1134 |
| Contact Phone Ext: | Not reported |
| Contact Email: | dale@redmaneq.com |
| Operator Name: | Redman Equipment Manufacturing Co |
| Operator Address: | 19800 Normandie Ave |
| Operator City: | Torrance |
| Operator State: | California |
| Operator Zip: | 90502 |
| Operator Contact: | Dale Botts |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | 310-329-1134 |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | dale@redmaneq.com |
| Operator Type: | Private Business |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | California |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | N |
| Receiving Water Name: | Dominguez Channel Estuary |
| Certifier: | Dale Botts |
| Certifier Title: | Environmental and Safety Manager |
| Certification Date: | 11-MAR-15 |
| Primary Sic: | 3443-Fabricated Plate Work (Boiler Shops) |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|---|-----------------------------------|
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | CAS000001 |
| Status: | Active |
| Agency Number: | 0 |
| Region: | 4 |
| Regulatory Measure ID: | 419881 |
| Order Number: | 97-03-DWQ |
| Regulatory Measure Type: | Enrollee |
| Place ID: | Not reported |
| WDID: | 4 19I023318 |
| Program Type: | Industrial |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | 09/07/2011 |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Redman Equipment Manufacturing Co |
| Discharge Address: | 19800 Normandie Ave |
| Discharge City: | Torrance |
| Discharge State: | California |
| Discharge Zip: | 90502 |
| Received Date: | Not reported |
| Processed Date: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |

Map ID
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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: REDMAN EQUIPMENT MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I023318
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 09/07/2011
Operator Name: Redman Equipment Manufacturing Co
Operator Address: 19800 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Regulatory Measure ID: 419881
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I023318
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 09/07/2011
Processed Date: 09/07/2011
Status: Active
Status Date: 09/07/2011
Place Size: 3.1
Place Size Unit: Acres
Contact: Dale Botts
Contact Title: Environmental and Safety Manager
Contact Phone: 310-329-1134
Contact Phone Ext: Not reported
Contact Email: dale@redmaneq.com
Operator Name: Redman Equipment Manufacturing Co
Operator Address: 19800 Normandie Ave
Operator City: Torrance
Operator State: California
Operator Zip: 90502
Operator Contact: Dale Botts
Operator Contact Title: Not reported
Operator Contact Phone: 310-329-1134
Operator Contact Phone Ext: Not reported
Operator Contact Email: dale@redmaneq.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|---|---|
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | N |
| Receiving Water Name: | Dominguez Channel Estuary |
| Certifier: | Dale Botts |
| Certifier Title: | Environmental and Safety Manager |
| Certification Date: | 11-MAR-15 |
| Primary Sic: | 3443-Fabricated Plate Work (Boiler Shops) |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |
| NPDES Number: | CAS000001 |
| Status: | Active |
| Agency Number: | 0 |
| Region: | 4 |
| Regulatory Measure ID: | 419881 |
| Order Number: | 97-03-DWQ |
| Regulatory Measure Type: | Enrollee |
| Place ID: | Not reported |
| WDID: | 4 19I023318 |
| Program Type: | Industrial |
| Adoption Date Of Regulatory Measure: | Not reported |
| Effective Date Of Regulatory Measure: | 09/07/2011 |
| Expiration Date Of Regulatory Measure: | Not reported |
| Termination Date Of Regulatory Measure: | Not reported |
| Discharge Name: | Redman Equipment Manufacturing Co |
| Discharge Address: | 19800 Normandie Ave |
| Discharge City: | Torrance |
| Discharge State: | California |
| Discharge Zip: | 90502 |
| Received Date: | Not reported |
| Processed Date: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Place Size: | Not reported |
| Place Size Unit: | Not reported |
| Contact: | Not reported |
| Contact Title: | Not reported |
| Contact Phone: | Not reported |
| Contact Phone Ext: | Not reported |
| Contact Email: | Not reported |
| Operator Name: | Not reported |
| Operator Address: | Not reported |
| Operator City: | Not reported |
| Operator State: | Not reported |
| Operator Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Contact Title: | Not reported |
| Operator Contact Phone: | Not reported |
| Operator Contact Phone Ext: | Not reported |
| Operator Contact Email: | Not reported |
| Operator Type: | Not reported |
| Developer: | Not reported |

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

| | |
|-------------------------------|--------------|
| Developer Address: | Not reported |
| Developer City: | Not reported |
| Developer State: | Not reported |
| Developer Zip: | Not reported |
| Developer Contact: | Not reported |
| Developer Contact Title: | Not reported |
| Constype Linear Utility Ind: | Not reported |
| Emergency Phone: | Not reported |
| Emergency Phone Ext: | Not reported |
| Constype Above Ground Ind: | Not reported |
| Constype Below Ground Ind: | Not reported |
| Constype Cable Line Ind: | Not reported |
| Constype Comm Line Ind: | Not reported |
| Constype Commercial Ind: | Not reported |
| Constype Electrical Line Ind: | Not reported |
| Constype Gas Line Ind: | Not reported |
| Constype Industrial Ind: | Not reported |
| Constype Other Description: | Not reported |
| Constype Other Ind: | Not reported |
| Constype Recons Ind: | Not reported |
| Constype Residential Ind: | Not reported |
| Constype Transport Ind: | Not reported |
| Constype Utility Description: | Not reported |
| Constype Utility Ind: | Not reported |
| Constype Water Sewer Ind: | Not reported |
| Dir Discharge Uswater Ind: | Not reported |
| Receiving Water Name: | Not reported |
| Certifier: | Not reported |
| Certifier Title: | Not reported |
| Certification Date: | Not reported |
| Primary Sic: | Not reported |
| Secondary Sic: | Not reported |
| Tertiary Sic: | Not reported |

CIWQS:

| | |
|----------------------------|---|
| Name: | REDMAN EQUIPMENT MANUFACTURING CO |
| Address: | 19800 NORMANDIE AVE |
| City,State,Zip: | TORRANCE, CA 90502 |
| Agency: | Redman Equipment Manufacturing Co |
| Agency Address: | 19800 Normandie Ave, Torrance, CA 90502 |
| Place/Project Type: | Industrial - Fabricated Plate Work (Boiler Shops) |
| SIC/NAICS: | 3443 |
| Region: | 4 |
| Program: | INDSTW |
| Regulatory Measure Status: | Active |
| Regulatory Measure Type: | Storm water industrial |
| Order Number: | 2014-0057-DWQ |
| WDID: | 4 19I023318 |
| NPDES Number: | CAS000001 |
| Adoption Date: | Not reported |
| Effective Date: | 09/07/2011 |
| Termination Date: | Not reported |
| Expiration/Review Date: | Not reported |
| Design Flow: | Not reported |
| Major/Minor: | Not reported |
| Complexity: | Not reported |

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.85097
Longitude: -118.29921

Name: REDMAN EQUIPMENT & MFG CO
Address: 19800 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Agency: Redman Equipment & Manufacturing Company
Agency Address: 19800 Normandie Avenue, Torrance, CA 90502
Place/Project Type: Manufacturing NEC
SIC/NAICS: 3443
Region: 4
Program: NPDESWW, NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: NPDES Permit
Order Number: R4-2005-0066
WDID: 4B192090001
NPDES Number: CA0058726
Adoption Date: 10/06/2005
Effective Date: 11/05/2005
Termination Date: 08/31/2011
Expiration/Review Date: 09/10/2010
Design Flow: 0.052
Major/Minor: Minor
Complexity: C
TTWQ: 3
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.851866
Longitude: -118.299227

CERS:
Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 147185
CERS ID: 90502RDMNQ198NR
CERS Description: Toxic Release Inventory

Violations:
Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-10-2019
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/02/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. 2019 California Environmental Reporting System (CERS) submittal was missing/inaccurate; Reviewed CERS submittals submitted on 5/16/18 and found the following needed to be addressed: - Not using the most up-to-date form to complete facility's Consolidated

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Emergency Response / Contingency Plan (CER/CP); Old CER/CP form was used - please use attached Rev. 03/07/17 CER/CP form; - Missing required content (e.g. facility address) on facility's site map; - Propane's physical storing state should be reported in liquid and the reporting unit should be in gallon on the HazMat Inventory Report; CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-10-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 08/02/2019. OBSERVATION: The following containers of hazardous waste were observed with incomplete or no hazardous waste (HW) labels: - 1 x 55-gallon drum containing HW coolant located at the 90 Days HW Storage Area was observed with a faded/incomplete HW label; CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.

Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-02-2013
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16

Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Violation Notes: Returned to compliance on 08/08/2013. Failure to provide written documentation that includes the following: the job title for each position at the facility related to hazardous waste management; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-10-2019
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174

Violation Description: Failure to inspect weekly areas where hazardous waste containers are stored. The owner or operator must look for leaking containers and for deterioration of containers caused by corrosion or other factors.

Violation Notes: Returned to compliance on 08/02/2019. OBSERVATION: Observed accumulation of debris and liquids in internal area of secondary containment holding hazardous waste drums/containers at the maintenance area. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the area listed above has been properly cleaned .

Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Uyehara. Consent given by Ken Regopoulos.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Eval Date: 07-02-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Uyehara. Consent given by Ken Regopoulos.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Dale Botts, Environmental & Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Dale Botts, Environmental & Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Janelle Redman, CFO Dale Botts, Environmental Safety MGR.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Janelle Redman, CFO Dale Botts, Environmental Safety MGR.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Coordinates:
Site ID: 147185
Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Env Int Type Code: HMBP
Program ID: 10269190
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.851740
Longitude: -118.299190

Affiliation:
Affiliation Type Desc: CUPA District

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 19800 NORMANDIE AVE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Janelle Redman
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 329-1134

Affiliation Type Desc: Public Contact
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: 3103291134

Affiliation Type Desc: Technical Contact
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: 3103291134

Affiliation Type Desc: Identification Signer
Entity Name: JANELLE REDMAN
Entity Title: CFO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: OHMSTEDE LTD
Entity Title: Not reported
Affiliation Address: 19800 NORMANDIE AVENUE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90502
Affiliation Phone: (409) 833-6375

Affiliation Type Desc: Company Official
Entity Name: JANELLE REDMAN
Entity Title: CFO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: 19800 NORMANDIE AVE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: REDMAN EQUIPMAN & MFG CO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Company
Entity Name: EMCOR GROUP INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Name: REDMAN EQUIPMENT MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 540591
CERS ID: 812337
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 540591
Site Name: Redman Equipment Manufacturing Co
Violation Date: 10-02-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Benchmark exceedances indicative of inadequate BMPs. SC: 470 umhos/cm (benchmark is 200 umhos/cm) Fe: 1.3 mg/L (benchmark is 1.0 mg/L)
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 540591
Site Name: Redman Equipment Manufacturing Co
Violation Date: 10-02-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Benchmark exceedances indicative of inadequate BMPs. SC: 270 umhos/cm (benchmark is 200 umhos/cm)
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2013
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Stormwater is treated prior to discharge, however, a review of annual reports indicates benchmark exceedances. Therefore, an Annual Report Review - Benchmark Value Exceedance letter is to be issued. See attached 9/12/13 Inspection Report for details.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:

Site ID: 540591
Site Name: Redman Equipment Manufacturing Co
Site Address: 19800 NORMANDIE AVE
Site City: TORRANCE
Site Zip: 90502
Enf Action Date: 10-24-2013
Enf Action Type: Staff Enforcement Letter

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Enf Action Description: Staff Enforcement Letter
Enf Action Notes: A review of permittee's 2011-12 and 2012-13 Annual reports showed benchmark exceedances in Specific Conductance and Iron (see attached 10/24/13 Benchmark Letter for details). Benchmark exceedances are indicative of inadequate BMPs. Inadequate BMPs are a violation of General Permit Section A.8.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Redman Equipment Manufacturing Co
Entity Title: Operator
Affiliation Address: 19800 Normandie Ave
Affiliation City: Torrance
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Name: REDMAN EQUIPMENT
Address: 19800 NORMANDIE AVE S
City,State,Zip: TORRANCE, CA 90502
Site ID: 225037
CERS ID: T0603703251
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: GILLIAN MINTIER - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 SOUTH FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766708

Name: REDMAN EQUIPMENT & MANUFACTURING CO
Address: 19800 NORMANDIE AVE
City,State,Zip: TORRANCE, CA 90502
Site ID: 147185
CERS ID: 10269190
CERS Description: Chemical Storage Facilities

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REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Violations:

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-10-2019
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 08/02/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. 2019 California Environmental Reporting System (CERS) submittal was missing/inaccurate; Reviewed CERS submittals submitted on 5/16/18 and found the following needed to be addressed: - Not using the most up-to-date form to complete facility's Consolidated Emergency Response / Contingency Plan (CER/CP); Old CER/CP form was used - please use attached Rev. 03/07/17 CER/CP form; - Missing required content (e.g. facility address) on facility's site map; - Propane's physical storing state should be reported in liquid and the reporting unit should be in gallon on the HazMat Inventory Report; CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due [Truncated]
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-10-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/02/2019. OBSERVATION: The following containers of hazardous waste were observed with incomplete or no hazardous waste (HW) labels: - 1 x 55-gallon drum containing HW coolant located at the 90 Days HW Storage Area was observed with a faded/incomplete HW label; CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-02-2013
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Violation Notes: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Returned to compliance on 08/08/2013. Failure to provide written documentation that includes the following: the job title for each position at the facility related to hazardous waste management; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 147185
Site Name: REDMAN EQUIPMENT & MANUFACTURING CO
Violation Date: 07-10-2019
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174

Violation Description: Failure to inspect weekly areas where hazardous waste containers are stored. The owner or operator must look for leaking containers and for deterioration of containers caused by corrosion or other factors.

Violation Notes: Returned to compliance on 08/02/2019. OBSERVATION: Observed accumulation of debris and liquids in internal area of secondary containment holding hazardous waste drums/containers at the maintenance area. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the area listed above has been properly cleaned .

Violation Division: Los Angeles County Fire Department
Violation Program: HWLQG
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Uyehara. Consent given by Ken Regopoulos.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Uyehara. Consent given by Ken Regopoulos.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Dale Botts, Environmental & Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Dale Botts, Environmental & Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Janelle Redman, CFO Dale Botts, Environmental Safety MGR.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Janelle Redman, CFO Dale Botts, Environmental Safety MGR.
Eval Division: Los Angeles County Fire Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Eval Program: HWLQG
Eval Source: CERS

Coordinates:
Site ID: 147185
Facility Name: REDMAN EQUIPMENT & MANUFACTURING CO
Env Int Type Code: HMBP
Program ID: 10269190
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.851740
Longitude: -118.299190

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 19800 NORMANDIE AVE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Janelle Redman
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 329-1134

Affiliation Type Desc: Public Contact
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: 3103291134

Affiliation Type Desc: Technical Contact
Entity Name: Dale Botts

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: 3103291134

Affiliation Type Desc: Identification Signer
Entity Name: JANELLE REDMAN
Entity Title: CFO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: OHMSTEDE LTD
Entity Title: Not reported
Affiliation Address: 19800 NORMANDIE AVENUE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90502
Affiliation Phone: (409) 833-6375

Affiliation Type Desc: Company Official
Entity Name: JANELLE REDMAN
Entity Title: CFO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Dale Botts
Entity Title: Not reported
Affiliation Address: 19800 NORMANDIE AVE
Affiliation City: TORRANCE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90502
Affiliation Phone: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDMAN EQUIPMENT & MANUFACTURING COMPANY (Continued)

1000295487

Affiliation Type Desc: Parent Corporation
 Entity Name: REDMAN EQUIPMAN & MFG CO
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

Affiliation Type Desc: Parent Company
 Entity Name: EMCOR GROUP INC
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: 90502
 Affiliation Phone: Not reported

128
 NW
 1/2-1
 0.995 mi.
 5255 ft.

AMOCO CHEMICALS CORP (2)
1225 WEST 196TH STREET
TORRANCE, CA 90502

ENVIROSTOR S106485924
CPS-SLIC N/A
CERS

Relative:
Higher
Actual:
49 ft.

ENVIROSTOR:
 Name: AMOCO CHEMICALS CORP (2)
 Address: 1225 WEST 196TH STREET
 City,State,Zip: TORRANCE, CA 90502
 Facility ID: 19290155
 Status: Inactive - Action Required
 Status Date: 10/18/2019
 Site Code: 401382
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 2.1
 NPL: NO
 Regulatory Agencies: SMBRP, US EPA
 Lead Agency: SMBRP
 Program Manager: Joseph Cully
 Supervisor: Patrick Hsieh
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 33.85349
 Longitude: -118.2979
 APN: NONE SPECIFIED
 Past Use: MANUFACTURING - OTHER
 Potential COC: * ORGANIC MONOMER WASTE, INCLUDING UNREACTED RESINS * EMPTY PESTICIDE CONTAINERS, 30 GALLONS OR MORE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL
 Confirmed COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO CHEMICALS CORP (2) (Continued)

S106485924

Potential Description: OTH, SOIL
Alias Name: BRAND PLASTICS (1962-1964)
Alias Type: Alternate Name
Alias Name: 110000475101
Alias Type: EPA (FRS #)
Alias Name: 110009541503
Alias Type: EPA (FRS #)
Alias Name: SLT4L2141782
Alias Type: GeoTracker Global ID
Alias Name: 401382
Alias Type: Project Code (Site Code)
Alias Name: 19290155
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/27/1992
Comments: This document was submitted to the Water Board by Amoco Corporation on August 27, 1992.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/10/1988
Comments: Report sent to the Water Board on November 10, 1988 by consultants for Amoco Corporation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/29/1990
Comments: Amoco Chemical Company's consultant sent this report to Amoco on May 29, 1990.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/17/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE RECEIVED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/16/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO CHEMICALS CORP (2) (Continued)

S106485924

Completed Date: 04/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/16/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/04/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/29/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/10/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/12/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/13/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/21/2007
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO CHEMICALS CORP (2) (Continued)

S106485924

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Name: AMOCO CHEMICAL CO.
Address: 1225 WEST 196TH ST.
City,State,Zip: TORRANCE, CA 90502
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 10/15/1999
Global Id: SLT4L2141782
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 19290155
Latitude: 33.8365829171484
Longitude: -118.339320544477
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 DTSC on 6/4/07.

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: AMOCO CHEMICAL CO.
Address: 1225 WEST 196TH ST.
City,State,Zip: TORRANCE, CA 90502
Site ID: 228033
CERS ID: SLT4L2141782
CERS Description: Cleanup Program Site

AB129
WNW
1/2-1
0.998 mi.
5269 ft.

MONTROSE CHEMICAL
20201 NORMANDIE AVENUE
TORRANCE, CA 90502

CA BOND EXP. PLAN S100833425
N/A

Site 1 of 2 in cluster AB

Relative:
Higher

CA BOND EXP. PLAN:

Actual:
50 ft.

Reponsible Party: NPL SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: EPA is currently conducting the RI/FS, which is funded by CERCLA. The site has been proposed for listing on the NPL. It is uncertain at this time as to whether the RP, Montrose Chemical Corporation, will fund the RAP development and implementation. For the purpose of preparing this Plan, DHS is assuming that the RP will develop the ROD/RAP and fund the selected remedy. DHS has budgeted \$50,000 for its oversight and monitoring costs. DHS will seek cost recovery of its direct costs plus staff costs and overhead related to the project.
Site Description: Montrose Chemical Corporation operated a dichlorodiphenyltrichloroethane (DDT) manufacturing plant from 1947 to 1982 at this location. The 13 acre facility was closed and subsequently dismantled in 1985. The soil is contaminated with

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MONTROSE CHEMICAL (Continued)

S100833425

Hazardous Waste Desc: DDT as a result of facility operations and disposal of wastes into a pond onsite. Montrose Chemical's sampling results showed onsite soils containing 300 to 400 tons of DDT throughout the facility. EPA studies have found DDT to exist in surface water runoff and sediments leaving the Montrose property. High concentrations of DDT have also been identified in sewers that received Montrose wastes before 1972. Other substances of concern that were also found in the investigation include chlorobenzene (MCB), dichlorobenzene (and isomers), chloroform, acetone, benzene hexachloride (BHC and isomers) and benzene. BHC and isomers) and benzene.

Threat To Public Health & Env: The site is located in a light industrial and residential area with about 3,000 people living within a quarter mile of the property. Evidence suggests that DDT has been released from the Montrose site into the surrounding environment. Prior to asphalt capping, DDT-contaminated dust was transported into the nearby residences. Ground water and soils beneath the site are contaminated and may be threatening usable aquifers.

Site Activity Status: EPA completed offsite surface water, offsite soil, onsite ground water, and onsite soil sampling in November, 1986. Further soils and ground water sampling took place during 1987 and more is scheduled for 1988-89. An investigation of DDT contamination of local sewers was completed in September, 1987. A feasibility study is being performed by the responsible party under EPA oversight to evaluate the possible cleanup options. Based upon the findings of the feasibility study, a ROD/RAP will be developed and implemented.

**AB130
 WNW
 1/2-1
 0.998 mi.
 5269 ft.**

**MONTROSE CHEMICAL CORP
 20201 NORMANDIE AVENUE
 TORRANCE, CA 90502**

Site 2 of 2 in cluster AB

**ENVIROSTOR S101272760
 HIST Cal-Sites N/A
 Cortese
 HIST CORTESE**

**Relative:
 Higher
 Actual:
 50 ft.**

ENVIROSTOR:

Name: MONTROSE CHEMICAL CORP
 Address: 20201 NORMANDIE AVENUE
 City, State, Zip: TORRANCE, CA 90502
 Facility ID: 19280024
 Status: Active
 Status Date: 04/22/1996
 Site Code: 401897
 Site Type: Federal Superfund
 Site Type Detailed: State Response or NPL
 Acres: 13
 NPL: YES
 Regulatory Agencies: SMBRP, US EPA
 Lead Agency: US EPA
 Program Manager: Willard Garrett
 Supervisor: Maryam Tasnif-Abbasi
 Division Branch: Cleanup Cypress
 Assembly: 64
 Senate: 35
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 33.84769
 Longitude: -118.3019
 APN: NONE SPECIFIED
 Past Use: MANUFACTURING - CHEMICALS
 Potential COC: * Pesticides - Rinse Waters * Pesticides - Wastes From Production *
 EMPTY PESTICIDE CONTAINERS, 30 GALLONS OR MORE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Confirmed COC: NONE SPECIFIED
Potential Description: AQUI, SOIL, SURFW
Alias Name: ATKENIX 37
Alias Type: Alternate Name
Alias Name: AVENTIS CROP SCIENCE
Alias Type: Alternate Name
Alias Name: MONTROSE CHEMICAL
Alias Type: Alternate Name
Alias Name: MONTROSE CHEMICAL CORP OF CALIFORNIA
Alias Type: Alternate Name
Alias Name: RHONE - POULENC BASIC CHEMICALS CO.
Alias Type: Alternate Name
Alias Name: WESTINGHOUSE ELECTRIC CORP.
Alias Type: Alternate Name
Alias Name: 110002630608
Alias Type: EPA (FRS #)
Alias Name: CAD008242711
Alias Type: HWTS Identification Code
Alias Name: P41026
Alias Type: PCode
Alias Name: 400100
Alias Type: Project Code (Site Code)
Alias Name: 401297
Alias Type: Project Code (Site Code)
Alias Name: 401298
Alias Type: Project Code (Site Code)
Alias Name: 401628
Alias Type: Project Code (Site Code)
Alias Name: 401840
Alias Type: Project Code (Site Code)
Alias Name: 401896
Alias Type: Project Code (Site Code)
Alias Name: 401897
Alias Type: Project Code (Site Code)
Alias Name: 19280024
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/31/2002
Comments: Removal action of DDT-contaminated soils from residential front yards on Kenwood Avenue, in Los Angeles, adjacent to Torrance. A total of 22 properties were excavated.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/09/1998
Comments: Not reported

Completed Area Name: Sewers
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/1999
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/13/1995
Comments: On March 24, 1994, U.S. EPA, Region IX, authorized a time- critical removal action to remove and properly dispose of the DDT contaminated soil from 1055 and 1051 204th Street. Approximately 1340 cubic yards of soil was excavated at the site.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/31/1988
Comments: Removal Action: Site cover.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/04/1987
Comments: Site Screening Done: BEP site. DDT found onsite and in surface water runoff.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/31/1985
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 12/31/1985
Comments: Removal Action: Asphalt cap.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 05/08/2013
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 04/14/2017
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 11/24/2013
Comments: Task Completed

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 01/09/2014
Comments: Complete

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/26/2016
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/24/2014
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/24/2015
Comments: Not reported

Completed Area Name: OU 3D
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 02/14/2015
Comments: N/A

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/08/2016
Comments: Received MACR from Montrose on March 21, 2016

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 10/06/2017
Comments: USEPA Approved Final Anti Deg Policy Analysis - 20171006

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 01/28/2016
Comments: Phase 1B completed on 10/7/2015, Phase 1C completed on 10/16/2015 and Phase 2 functional test completed on 11/20/2015.

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/29/2020
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 05/03/2017
Comments: NA

Completed Area Name: OU 1
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Completed Document Type: Feasibility Study Workplan

Completed Date: 03/13/2018

Comments: Not reported

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Other Report

Completed Date: 02/14/2017

Comments: DTSC deferred VI Response Ltr. (regarding DAAC inquiry) to Cal. EPA

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Monitoring Report

Completed Date: 04/25/2017

Comments: Sent DTSC comments to EPA on 20170425

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Monitoring Plan

Completed Date: 04/14/2017

Comments: Not reported

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Well Installation Workplan

Completed Date: 04/14/2017

Comments: Not reported

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Monitoring Report

Completed Date: 03/01/2018

Comments: Not reported

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Well Installation Workplan

Completed Date: 09/29/2017

Comments: Sent DTSC Comments to EPA on 20170929

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Design

Completed Date: 10/03/2017

Comments: Montrose Functional Test WP Approval - Received 20171003

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Remedy Constructed: Operating Properly & Successfully

Completed Date: 03/14/2018

Comments: Not reported

Completed Area Name: OU 3G

Completed Sub Area Name: Not reported

Completed Document Type: Remedy Constructed: Operating Properly & Successfully

Completed Date: 04/19/2018

Comments: Meeting/Teleconference Completed on 20180419

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 05/23/2018
Comments: Completed site walk and meeting with Shell & USEPA 20180523

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 01/11/2019
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/31/2019
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 03/18/2019
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/03/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/08/2020
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 01/10/2020
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/11/2020
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 05/08/2003
Comments: Completion of Unilateral Administrative Order (UAO) Number 2003-06 for initial groundwater activities with respect to the groundwater operable unit at the Montrose Chemical and Del Amo Superfund Sites.

Completed Area Name: OU 1

Map ID
Direction
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MAP FINDINGS

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Database(s)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 07/30/1989
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/02/1981
Comments: Facility Identified: Anonymous tip.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 10/18/2000
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 05/31/2001
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 07/19/2001
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 06/24/2002
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 08/26/2002
Comments: Amendment to Consent Decree for past costs lodged and approved.

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/26/2012
Comments: Complete

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2013

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MAP FINDINGS

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2015
Comments: Annual Cost Estimate Completed 11-25-2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 07/24/2017
Comments: Work Request submitted to OLC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/07/2019
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 10/17/2018
Comments: Completed Task

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/23/2018
Comments: OLC provided comments on Montrose/Shell Oil 2017 - 2018 Cost Est on 20180223

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Payment Agreement
Completed Date: 06/22/2018
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Form 1479 - Site and Collections Summary
Completed Date: 10/17/2019
Comments: Not reported

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2019
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/07/2019
Comments: Not reported

Completed Area Name: OU 3G
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/07/2019
Comments: Not reported

Future Area Name: OU 3G
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed: Operating Properly & Successfully
Future Due Date: 2022
Future Area Name: OU 3G
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed: Operating Properly & Successfully
Future Due Date: 2022
Future Area Name: OU 3D
Future Sub Area Name: Not reported
Future Document Type: Record of Decision
Future Due Date: 2021
Future Area Name: OU 3G
Future Sub Area Name: Not reported
Future Document Type: Consultative Service Agreement
Future Due Date: 2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Feasibility Study Report
Schedule Due Date: 01/14/2021
Schedule Revised Date: 12/25/2021
Schedule Area Name: OU 3D
Schedule Sub Area Name: Not reported
Schedule Document Type: Consultative Service Agreement
Schedule Due Date: 05/04/2021
Schedule Revised Date: Not reported

Calsite:
Name: MONTROSE CHEMICAL CORP
Address: 20201 NORMANDIE AVENUE
City: TORRANCE
Region: CYPRESS
Facility ID: 19280024
Facility Type: NPRP
Type: NPL SITE, RP-FUNDED
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 04221996

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MAP FINDINGS

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Database(s)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: ENVIRONMENTAL PROTECTION AGENCY
NPL: Listed
SIC Code: 28
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: YAREF
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: Not reported
State Assembly District Code: 55
State Senate District Code: 28
Facility ID: 19280024
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01021981
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: 19280024
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: 12311985
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

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: 19280024
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: CAP
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12311985
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: 19280024
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: 12041987
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

Map ID
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MAP FINDINGS

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Database(s)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19280024
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: COVER
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12311988
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: 19280024
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: AGREE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 07301989
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: 19280024
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Revised Due Date: Not reported
Comments Date: 03131995
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): 1340
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: 1340 CY OF SOIL EXCAVATED.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19280024
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: 06302005
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
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: 19280024
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03301999
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

Map ID
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MAP FINDINGS

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Database(s)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

| | |
|-------------------------------|--------------------------------|
| 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: | 19280024 |
| Activity: | DES |
| Activity Name: | DESIGN |
| AWP Code: | SOIL |
| Proposed Budget: | 0 |
| AWP Completion Date: | 06302006 |
| 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 |
| 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: | 19280024 |
| Activity: | RMDL |
| Activity Name: | REMEDIAL ACTION (RAP REQUIRED) |
| AWP Code: | GW2 |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312006 |
| 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 |

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Database(s)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

Facility ID: 19280024
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: 06302038
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
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: 19280024
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05201998
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: 19280024
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: GW2
Proposed Budget: 0
AWP Completion Date: 06302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0

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MONTROSE CHEMICAL CORP (Continued)

S101272760

| | |
|-------------------------------|-------------------------------|
| 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: | 19280024 |
| Activity: | DES |
| Activity Name: | DESIGN |
| AWP Code: | GW1 |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Revised Due Date: | 06302006 |
| 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: | 19280024 |
| Activity: | DES |
| Activity Name: | DESIGN |
| AWP Code: | GW2 |
| Proposed Budget: | 0 |
| AWP Completion Date: | 06302006 |
| 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 |

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MONTROSE CHEMICAL CORP (Continued)

S101272760

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: 19280024
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: 09302004
Revised Due Date: 06302005
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: 19280024
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: SEWER
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 02281999
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): 480
Liquids Treated (Gals): 480
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
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: 19280024
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)

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MONTROSE CHEMICAL CORP (Continued)

S101272760

AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: 06302007
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: 19280024
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: 204TH
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10091998
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): 1338
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
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: 19280024
Activity: COST
Activity Name: COST RECOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10182000
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

| | |
|-------------------------------|-------------------------------|
| 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: | 19280024 |
| Activity: | COST |
| Activity Name: | COST RECOVERY |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 05312001 |
| 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: | 19280024 |
| Activity: | COST |
| Activity Name: | COST RECOVERY |
| AWP Code: | CNST |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 07192001 |
| 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 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 19280024
Activity: COST
Activity Name: COST RECOVERY
AWP Code: CNSNT
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06242002
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: 19280024
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: 06302006
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: 19280024
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: 12312036

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

| | |
|-------------------------------|--|
| 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: | 19280024 |
| Activity: | RIFS |
| Activity Name: | REMEDIAL INVESTIGATION / FEASIBILITY STUDY |
| AWP Code: | GW2 |
| Proposed Budget: | 0 |
| AWP Completion Date: | 12312004 |
| Revised Due Date: | 06302005 |
| 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: | 19280024 |
| Activity: | OM |
| Activity Name: | OPERATION & MAINTENANCE |
| AWP Code: | GW2 |
| Proposed Budget: | 0 |
| AWP Completion Date: | 06302037 |
| 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 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

| | |
|-------------------------------|-------------------------------|
| 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: | 19280024 |
| 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: | 07312002 |
| 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): | 10098 |
| Liquids Treated (Gals): | 0 |
| Action Included Capping: | Not reported |
| Well Decommissioned: | Not reported |
| Action Included Fencing: | Not reported |
| 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: | 19280024 |
| Activity: | COST |
| Activity Name: | COST RECOVERY |
| AWP Code: | Not reported |
| Proposed Budget: | 0 |
| AWP Completion Date: | Not reported |
| Revised Due Date: | Not reported |
| Comments Date: | 08262002 |
| 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 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Facility ID: 19280024
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: GW1
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05082003
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: 19280024
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: 20201 NORMANDIE AVENUE
Alternate City,St,Zip: TORRANCE, CA 90502
Alternate Address: 20201 S NORMANDIE AVENUE
Alternate City,St,Zip: TORRANCE, CA 90502
Background Info: Montrose Chemical Corporation operated a dichlorodiphenyl-trichloroethane (DDT) manufacturing plant from 1947 to 1982 at this location near the city of Torrance. The 13-acre facility was closed and subsequently dismantled in 1985. The soil is highly contaminated with DDT as a result of facility operations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

and disposal of wastes into an onsite unlined pond. The pond was lined with concrete in 1970.

Not reported

Montrose's sampling results showed onsite soils with 300 to 400 tons of DDT throughout the facility. U.S. EPA studies have found DDT to exist in surface water runoff and sediments leaving the Montrose property. High concentrations of DDT have also been identified in sewers that received Montrose wastes before 1971.

Not reported

Other substances of concern that were found in the soil and groundwater investigations include chlorobenzene (MCB), dichlorobenzene (and isomers), chloroform, acetone, benzene hexachloride (BHC and isomers), and benzene.

Not reported

The site is located in a light industrial and residential area with about 3,000 people living within a quarter-mile of the property. Evidence suggests that DDT has been released from the Montrose site into the surrounding environment. In 1988, Montrose placed an asphalt cover over the areas immediately surrounding the former manufacturing facility.

Not reported

Under a Consent Order with U.S. EPA, Montrose conducted offsite surface water, offsite soil, onsite groundwater, and onsite soil sampling. Further soil and groundwater sampling took place. Groundwater and soils beneath the site are contaminated and may be threatening usable aquifers; however, the three aquifers found to be contaminated are not currently used as drinking water sources. The closest drinking water well is two miles southeast of the site and draws from the deepest aquifer.

Not reported

The site has been split into operable units. The Soils and DNAPL, the groundwater, surface water pathway, sewers, and neighborhood study area.

Not reported

U.S. EPA approved the dual site groundwater ROD on 3/30/1999 for both the Montrose and Del Amo sites. This ROD addresses the dissolved Monochlorobenzene plume emanating from the Montrose site to approximately Torrance Blvd. to the south. It also addresses the dissolved benzene groundwater plume emanating from the Del Amo site to just south of the Del Amo Pits. The plumes from both sites overlap each other to the east of Montrose and to the west of Del Amo, approximately around Normandie Avenue. These dissolved plumes are referred to as "GW1" in this report. The Montrose remedy consists of a pump and treat system with reinjection of treated water into the groundwater aquifer. The Del Amo remedy consists of intrinsic bioremediation with pumping for containment from the lower unit and subsequent discharge. The LNAPL at the Del Amo site will be dealt with along with the soils remedy, and is noted in this report as the Study Area. The DNAPL at the Montrose site will be evaluated separately and is noted as "GW2" in this report.

Comments Date:

06301999

Comments:

residential community, adjacent to the City of Torrance. Site

Comments Date:

06301999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Comments: de-mobilized in October 1998. Completion report by U.S. EPA
Comments Date: 06301999
Comments: completed on 06/30/1999.
Comments Date: 07241994
Comments: Soil Sampling conducted in the backyards of the residences of
Comments Date: 07241994
Comments: West 204th Street, Torrance, as part of the Del Amo Superfund
Comments Date: 07241994
Comments: site investigative work revealed that DDT contaminated soil
Comments Date: 07241994
Comments: was present in the backyards of two homes. A removal action
Comments Date: 07241994
Comments: was completed by U.S. EPA on July 24, 1994. Additional soil
Comments Date: 07241994
Comments: sampling conducted by U.S. EPA in July of 1994 revealed that
Comments Date: 07241994
Comments: a historic low lying area had been filled with DDT contaminated
Comments Date: 07241994
Comments: material which extended beyond the two homes. The "fill" area
Comments Date: 07241994
Comments: has now been defined to include 1055, 1051, and 1043 1/2 West
Comments Date: 07241994
Comments: 204th Street.
Comments Date: 07251991
Comments: DDT manufacturing facility. Contaminants include DDT in soil and
Comments Date: 07251991
Comments: MCB in groundwater in addition to benzene, chloroform, acetone,
Comments Date: 07251991
Comments: BHC, and dichlorobenzene.
Comments Date: 07312002
Comments: Removal action of DDT-contaminated soils from residential
Comments Date: 07312002
Comments: front yards on Kenwood Avenue, in Los Angeles, adjacent to
Comments Date: 07312002
Comments: Torrance. A total of 22 properties were excavated.
Comments Date: 08262002
Comments: Amendment to Consent Decree for past costs lodged and approved.
Comments Date: 09011987
Comments: An investigation of DDT contamination of local sewers was
Comments Date: 09011987
Comments: completed in September 1987.
Comments Date: 12012001
Comments: A DDT removal along Kenwood Avenue (along the former Kenwood
Comments Date: 12012001
Comments: ditch) has been underway since July 2001. It is expected to
Comments Date: 12012001
Comments: be completed this month.
Comments Date: 12041987
Comments: Site Screening Done: BEP site. DDT found onsite and in surface
Comments Date: 12041987
Comments: water runoff.
Comments Date: 12152002
Comments: Seven pilot test workplans were submitted to DTSC for review
Comments Date: 12152002
Comments: for soil & DNAPL. Comments were provided and revised workplans
Comments Date: 12152002
Comments: have been re-submitted.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Comments Date: 12311985
Comments: Removal Action: Asphalt cap.
Comments Date: 12311988
Comments: Removal Action: Site cover.
Comments Date: 01011985
Comments: This is the date the site was first listed pursuant to
Comments Date: 01011985
Comments: section 25356.
Comments Date: 01021981
Comments: Facility Identified: Anonymous tip.
Comments Date: 01061981
Comments: Ground photos taken (slides).
Comments Date: 01071981
Comments: Facility Drive-By: Active site. DDT storage.
Comments Date: 02152000
Comments: Neighborhood Sampling Phase I completed. Includes aerial
Comments Date: 02152000
Comments: dispersion, surface water pathways, low-lying areas and fill
Comments Date: 02152000
Comments: material investigation. Phase II to begin in February/March
Comments Date: 02152000
Comments: 2000.
Comments Date: 02191982
Comments: Site referred to LA County Enforcement.
Comments Date: 03131995
Comments: On March 24, 1994, U.S. EPA, Region IX, authorized a time-
Comments Date: 03131995
Comments: critical removal action to remove and properly dispose of the
Comments Date: 03131995
Comments: DDT contaminated soil from 1055 and 1051 204th Street.
Comments Date: 03131995
Comments: Approximately 1340 cubic yards of soil was excavated at the site.
Comments Date: 04091999
Comments: A joint groundwater ROD was signed on 03/30/1999. It addresses
Comments Date: 04091999
Comments: the dissolved phase contamination (chlorobenzene and benzene)
Comments Date: 04091999
Comments: for the Montrose and Del Amo sites.
Comments Date: 05082003
Comments: Completion of Unilateral Administrative Order (UAO) Number
Comments Date: 05082003
Comments: 2003-06 for initial groundwater activities with respect to the
Comments Date: 05082003
Comments: groundwater operable unit at the Montrose Chemical and Del Amo
Comments Date: 05082003
Comments: Superfund Sites.
Comments Date: 05201998
Comments: Completion of Remedial Investigation for the Groundwater Operable
Comments Date: 05201998
Comments: Unit, dated 05/18/1998 and the Joint Groundwater Feasibility
Comments Date: 05201998
Comments: study dated 05/18/1998, for the Montrose U.S.EPA Superfund site,
Comments Date: 05201998
Comments: Groundwater Operable Unit.
Comments Date: 06091999
Comments: Removal of DDT-contaminated sediments in a 3600-foot reach of
Comments Date: 06091999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

Comments: 57" J.O. "D" sewer between manholes D32 and A468.
Comments Date: 06091999
Comments: Not reported
Comments Date: 06172003
Comments: RD GW modeling meeting between Shell (for Del Amo), Montrose,
Comments Date: 06172003
Comments: DTSC, & EPA @ CH2MHill office in S.A.
Comments Date: 06301999
Comments: Phase II of removal that began in 1994 was completed in October
Comments Date: 06301999
Comments: 1998. Removal of DDT contaminated soil from the 204th Street
ID Name: CALSTARS CODE
ID Value: 400100
ID Name: HWIS IDENTIFICATION CODE
ID Value: CAD008242711
ID Name: BEP DATABASE PCODE
ID Value: P41026
Alternate Name: MONTROSE CHEMICAL
Alternate Name: MONTROSE CHEMICAL CORP OF CALIFORNIA
Alternate Name: MONTROSE CHEMICAL CORP
Alternate Name: RHONE - POULENC BASIC CHEMICALS CO.
Alternate Name: WESTINGHOUSE ELECTRIC CORP.
Alternate Name: ATKENIX 37
Alternate Name: AVENTIS CROP SCIENCE
Alternate Name: Not reported
Special Programs Code: MSCA
Special Programs Name: MULTI-SITE COOPERATIVE AGREEMENT

CORTESE:

Name: MONTROSE CHEMICAL CORP
Address: 20201 NORMANDIE AVENUE
City,State,Zip: TORRANCE, CA 90502
Region: CORTESE
Envirostor Id: 19280024
Global ID: Not reported
Site/Facility Type: FEDERAL SUPERFUND - LISTED
Cleanup Status: ACTIVE
Status Date: 04/22/1996
Site Code: 400100, 401297, 401298, 401628, 401840, 401896, 401897
Latitude: 33.847695
Longitude: -118.30195
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:

edr_fname: MONTROSE CHEMICAL CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MONTROSE CHEMICAL CORP (Continued)

S101272760

edr_fadd1: 20201 NORMANDIE
City,State,Zip: TORRANCE, CA
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19280024

Count: 11 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|-------------|------------|-----------------------------------|--------------------------------|-------|-------------------|
| CARSON | S107537482 | | ALENO AVE & FIGUEROA AVE | 90745 | CDL |
| CARSON | S100833322 | GOLDEN EAGLE REFINERY | 2100 SOUTH FIGUEROA STREET | 90745 | CA BOND EXP. PLAN |
| CARSON | S111075800 | BROWN DUMP (NISSAN MOTOR CORP) | 18601 SO FIGUEROA ST | 90745 | SWF/LF |
| CARSON | S126983385 | CARSON CITY TOWING INC. | 19135 S. MAIN | 90745 | SWF/LF |
| CARSON | S101480710 | TED HAMMETT (CARSON) | EAST OF ALAMEDA & NORTH OF SEP | 90745 | ENVIROSTOR |
| CARSON | S103878691 | CITY OF CARSON | SHEARER | 90745 | CPS-SLIC |
| CARSON | S111075957 | K & S RUBBISH | 26300 SOUTH VERMONT AVENUE | | SWF/LF |
| COMPTON | S111076069 | ROSE WILLIAMS LANDFILL | 13914-13918 SOUTH MAIN STREET | 90248 | SWF/LF |
| LOS ANGELES | S105721860 | MCMILLEN OIL FIELD | 15100 MAIN | 90248 | CPS-SLIC |
| LOS ANGELES | S111076155 | VERMONT AVENUE & KNOX STREET DUMP | 19240 VERMONT AVENUE | 90502 | SWF/LF |
| TORRANCE | S105960461 | DEL AMO BOULEVARD | DEL AMO BOULEVARD, BETWEEN VER | 90502 | CA BOND EXP. PLAN |

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: 10/28/2020 | Source: EPA |
| Date Data Arrived at EDR: 11/05/2020 | Telephone: N/A |
| Date Made Active in Reports: 11/25/2020 | Last EDR Contact: 01/14/2021 |
| Number of Days to Update: 20 | Next Scheduled EDR Contact: 04/12/2021 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

| | |
|---|--|
| Date of Government Version: 10/28/2020 | Source: EPA |
| Date Data Arrived at EDR: 11/05/2020 | Telephone: N/A |
| Date Made Active in Reports: 11/25/2020 | Last EDR Contact: 01/14/2021 |
| Number of Days to Update: 20 | Next Scheduled EDR Contact: 04/12/2021 |
| | 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
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 known 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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/28/2020 | Source: EPA |
| Date Data Arrived at EDR: 11/05/2020 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 11/25/2020 | Last EDR Contact: 01/14/2021 |
| Number of Days to Update: 20 | Next Scheduled EDR Contact: 04/26/2021 |
| | 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: 12/14/2020 | Source: EPA |
| Date Data Arrived at EDR: 12/17/2020 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 12/22/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 5 | Next Scheduled EDR Contact: 04/05/2021 |
| | 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: 12/14/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 12/22/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 5 | Next Scheduled EDR Contact: 04/05/2021 |
| | 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: 12/14/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 12/22/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 5 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

| | |
|---|---|
| Date of Government Version: 12/14/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 12/22/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 5 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Quarterly |

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

| | |
|---|---|
| Date of Government Version: 12/14/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 12/22/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 5 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Quarterly |

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

| | |
|---|--|
| Date of Government Version: 08/06/2020 | Source: Department of the Navy |
| Date Data Arrived at EDR: 08/21/2020 | Telephone: 843-820-7326 |
| Date Made Active in Reports: 11/11/2020 | Last EDR Contact: 11/05/2020 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 02/22/2021 |
| | 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: 10/28/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/05/2020 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 11/18/2020 | Last EDR Contact: 11/05/2020 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 03/08/2021 |
| | Data Release Frequency: Varies |

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

| | |
|---|---|
| Date of Government Version: 10/28/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/05/2020 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 11/18/2020 | Last EDR Contact: 11/05/2020 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 03/08/2021 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/14/2020

Date Data Arrived at EDR: 12/15/2020

Date Made Active in Reports: 12/22/2020

Number of Days to Update: 7

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/15/2020

Next Scheduled EDR Contact: 04/05/2021

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: 10/26/2020

Date Data Arrived at EDR: 10/26/2020

Date Made Active in Reports: 01/13/2021

Number of Days to Update: 79

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/26/2020

Next Scheduled EDR Contact: 02/08/2021

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 identifies 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: 10/26/2020

Date Data Arrived at EDR: 10/26/2020

Date Made Active in Reports: 01/13/2021

Number of Days to Update: 79

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 10/26/2020

Next Scheduled EDR Contact: 02/08/2021

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 inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/09/2020

Date Data Arrived at EDR: 11/10/2020

Date Made Active in Reports: 01/14/2021

Number of Days to Update: 65

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 11/10/2020

Next Scheduled EDR Contact: 02/22/2021

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST: 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

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 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 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 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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA, Region 5 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 312-886-7439 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Varies |

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

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|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 05/26/2020 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Varies |

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

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|---|---|
| Date of Government Version: 04/08/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 415-972-3372 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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.

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|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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: 04/15/2020 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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: 04/08/2020 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Varies |

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

| | |
|---|---|
| Date of Government Version: 09/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/30/2020 | Last EDR Contact: 12/04/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/22/2021 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

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: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/03/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/03/2020
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

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: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
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: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/29/2020 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 11/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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: 04/14/2020 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 303-312-6137 |
| Date Made Active in Reports: 08/13/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Varies |

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 05/26/2020 | Telephone: 404-562-9424 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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: 04/08/2020 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 214-665-7591 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Varies |

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 5 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 312-886-6136 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 12/16/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 09/29/2015 | Telephone: 617-918-1102 |
| Date Made Active in Reports: 02/18/2016 | Last EDR Contact: 12/15/2020 |
| Number of Days to Update: 142 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

| | |
|---|--|
| Date of Government Version: 03/20/2008 | Source: EPA, Region 7 |
| Date Data Arrived at EDR: 04/22/2008 | Telephone: 913-551-7365 |
| Date Made Active in Reports: 05/19/2008 | Last EDR Contact: 04/20/2009 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 07/20/2009 |
| | 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: 10/26/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 10/26/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 01/13/2021 | Last EDR Contact: 10/26/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 02/08/2021 |
| | Data Release Frequency: Quarterly |

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

| | |
|---|---|
| Date of Government Version: 09/21/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/22/2020 | Telephone: 916-323-7905 |
| Date Made Active in Reports: 12/11/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 04/05/2021 |
| | 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: 09/14/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 09/15/2020 | Telephone: 202-566-2777 |
| Date Made Active in Reports: 12/10/2020 | Last EDR Contact: 12/11/2020 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 03/29/2021 |
| | 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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 Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/18/2020 | Source: Drug Enforcement Administration |
| Date Data Arrived at EDR: 03/19/2020 | Telephone: 202-307-1000 |
| Date Made Active in Reports: 06/09/2020 | Last EDR Contact: 11/16/2020 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/08/2021 |
| | 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 | Source: Department of Toxic Substance Control |
| Date Data Arrived at EDR: 08/03/2006 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 08/24/2006 | Last EDR Contact: 02/23/2009 |
| Number of Days to Update: 21 | 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: 10/26/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 10/26/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 01/13/2021 | Last EDR Contact: 10/26/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 02/08/2021 |
| | 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: 06/30/2019 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 05/28/2020 | Telephone: 916-255-6504 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 01/04/2021 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 04/19/2021 |
| | 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: 10/19/2020 | Source: CalEPA |
| Date Data Arrived at EDR: 10/19/2020 | Telephone: 916-323-2514 |
| Date Made Active in Reports: 01/07/2021 | Last EDR Contact: 10/19/2020 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

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: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

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: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

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

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/26/2020
Date Data Arrived at EDR: 08/28/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 81

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

| | |
|---|--|
| Date of Government Version: 08/31/2020 | Source: DTSC and SWRCB |
| Date Data Arrived at EDR: 08/31/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 11/20/2020 | Last EDR Contact: 12/01/2020 |
| Number of Days to Update: 81 | Next Scheduled EDR Contact: 03/15/2021 |
| | Data Release Frequency: Semi-Annually |

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

| | |
|---|---|
| Date of Government Version: 09/20/2020 | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 09/22/2020 | Telephone: 202-366-4555 |
| Date Made Active in Reports: 12/14/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 04/05/2021 |
| | 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: 09/30/2020 | Source: Office of Emergency Services |
| Date Data Arrived at EDR: 10/19/2020 | Telephone: 916-845-8400 |
| Date Made Active in Reports: 01/07/2021 | Last EDR Contact: 10/19/2020 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Semi-Annually |

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

| | |
|---|---|
| Date of Government Version: 09/08/2020 | Source: State Water Quality Control Board |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/30/2020 | Last EDR Contact: 12/04/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/22/2021 |
| | Data Release Frequency: Quarterly |

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

| | |
|---|---|
| Date of Government Version: 09/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/30/2020 | Last EDR Contact: 12/04/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/22/2021 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 | Source: FirstSearch |
| Date Data Arrived at EDR: 01/03/2013 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2013 | Last EDR Contact: 01/03/2013 |
| Number of Days to Update: 50 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

| | |
|---|---|
| Date of Government Version: 12/14/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/17/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 12/22/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 5 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Quarterly |

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

| | |
|---|--|
| Date of Government Version: 08/05/2020 | Source: U.S. Army Corps of Engineers |
| Date Data Arrived at EDR: 08/13/2020 | Telephone: 202-528-4285 |
| Date Made Active in Reports: 10/21/2020 | Last EDR Contact: 11/17/2020 |
| Number of Days to Update: 69 | Next Scheduled EDR Contact: 03/01/2021 |
| | 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 | Source: USGS |
| Date Data Arrived at EDR: 11/10/2006 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 01/15/2021 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 04/26/2021 |
| | 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: 04/02/2018 | Source: U.S. Geological Survey |
| Date Data Arrived at EDR: 04/11/2018 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 11/06/2019 | Last EDR Contact: 01/07/2021 |
| Number of Days to Update: 574 | Next Scheduled EDR Contact: 04/19/2021 |
| | 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 03/15/2021
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: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: EPA |
| Date Data Arrived at EDR: 05/06/2020 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 06/09/2020 | Last EDR Contact: 01/14/2021 |
| Number of Days to Update: 34 | Next Scheduled EDR Contact: 02/15/2021 |
| | 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: 10/09/2019 | Source: EPA |
| Date Data Arrived at EDR: 10/11/2019 | Telephone: 202-566-0500 |
| Date Made Active in Reports: 12/20/2019 | Last EDR Contact: 01/08/2021 |
| Number of Days to Update: 70 | Next Scheduled EDR Contact: 04/19/2021 |
| | 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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/23/2016 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 12/30/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 04/19/2021 |
| | 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 | Source: EPA/Office of Prevention, Pesticides and Toxic Substances |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 08/18/2017 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 12/04/2017 |
| | Data Release Frequency: No Update Planned |

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

| | |
|---|---|
| Date of Government Version: 04/09/2009 | Source: EPA |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 08/18/2017 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 12/04/2017 |
| | Data Release Frequency: No Update Planned |

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

| | |
|---|--|
| Date of Government Version: 08/05/2020 | Source: Nuclear Regulatory Commission |
| Date Data Arrived at EDR: 08/10/2020 | Telephone: 301-415-7169 |
| Date Made Active in Reports: 10/08/2020 | Last EDR Contact: 10/12/2020 |
| Number of Days to Update: 59 | Next Scheduled EDR Contact: 01/31/2021 |
| | 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: 12/31/2018 | Source: Department of Energy |
| Date Data Arrived at EDR: 12/04/2019 | Telephone: 202-586-8719 |
| Date Made Active in Reports: 01/15/2020 | Last EDR Contact: 12/01/2020 |
| Number of Days to Update: 42 | Next Scheduled EDR Contact: 03/15/2021 |
| | Data Release Frequency: Varies |

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

| | |
|---|---|
| Date of Government Version: 01/12/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/05/2019 | Telephone: N/A |
| Date Made Active in Reports: 11/11/2019 | Last EDR Contact: 11/30/2020 |
| Number of Days to Update: 251 | Next Scheduled EDR Contact: 03/15/2021 |
| | Data Release Frequency: Varies |

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

| | |
|---|---|
| Date of Government Version: 09/13/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/06/2019 | Telephone: 202-566-0517 |
| Date Made Active in Reports: 02/10/2020 | Last EDR Contact: 11/06/2021 |
| Number of Days to Update: 96 | Next Scheduled EDR Contact: 02/15/2021 |
| | Data Release Frequency: Varies |

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

| | |
|---|---|
| Date of Government Version: 07/01/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/01/2019 | Telephone: 202-343-9775 |
| Date Made Active in Reports: 09/23/2019 | Last EDR Contact: 01/08/2021 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 04/12/2021 |
| | 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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/01/2007 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 04/10/2007 | Last EDR Contact: 12/17/2007 |
| Number of Days to Update: 40 | 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
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: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
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: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/20/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/14/2021
Next Scheduled EDR Contact: 04/12/2021
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 1931 and 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: 08/04/2020
Date Data Arrived at EDR: 08/25/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
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: 09/16/2020
Date Data Arrived at EDR: 09/17/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
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: 09/04/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/26/2018 | Telephone: 202-564-0527 |
| Date Made Active in Reports: 10/05/2018 | Last EDR Contact: 11/17/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 03/08/2021 |
| | 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: 10/03/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 10/06/2020 | Telephone: 202-564-2280 |
| Date Made Active in Reports: 01/04/2021 | Last EDR Contact: 01/08/2021 |
| Number of Days to Update: 90 | Next Scheduled EDR Contact: 04/19/2021 |
| | Data Release Frequency: Quarterly |

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

| | |
|---|--|
| Date of Government Version: 08/17/2020 | Source: EPA |
| Date Data Arrived at EDR: 08/17/2020 | Telephone: 800-385-6164 |
| Date Made Active in Reports: 10/21/2020 | Last EDR Contact: 11/13/2020 |
| Number of Days to Update: 65 | Next Scheduled EDR Contact: 03/01/2021 |
| | 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 | Source: Department of Health Services |
| Date Data Arrived at EDR: 07/27/1994 | Telephone: 916-255-2118 |
| Date Made Active in Reports: 08/02/1994 | Last EDR Contact: 05/31/1994 |
| Number of Days to Update: 6 | 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: 06/22/2020 | Source: CAL EPA/Office of Emergency Information |
| Date Data Arrived at EDR: 06/22/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 09/04/2020 | Last EDR Contact: 12/17/2020 |
| Number of Days to Update: 74 | Next Scheduled EDR Contact: 04/05/2021 |
| | 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: 05/01/2019 | Source: Livermore-Pleasanton Fire Department |
| Date Data Arrived at EDR: 05/14/2019 | Telephone: 925-454-2361 |
| Date Made Active in Reports: 07/17/2019 | Last EDR Contact: 11/13/2020 |
| Number of Days to Update: 64 | Next Scheduled EDR Contact: 02/22/2021 |
| | Data Release Frequency: Varies |

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 11/13/2020
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/28/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 81

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/19/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 14

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
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: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
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: 10/16/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/04/2020
Next Scheduled EDR Contact: 02/22/2021
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: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/05/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

| | |
|---|--|
| Date of Government Version: 09/08/2020 | Source: Department of Conservation |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 916-322-1080 |
| Date Made Active in Reports: 11/30/2020 | Last EDR Contact: 12/08/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/22/2021 |
| | Data Release Frequency: Quarterly |

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

| | |
|---|--|
| Date of Government Version: 08/31/2020 | Source: Department of Public Health |
| Date Data Arrived at EDR: 08/31/2020 | Telephone: 916-558-1784 |
| Date Made Active in Reports: 11/20/2020 | Last EDR Contact: 12/01/2020 |
| Number of Days to Update: 81 | Next Scheduled EDR Contact: 03/15/2021 |
| | Data Release Frequency: Varies |

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

| | |
|---|---|
| Date of Government Version: 08/10/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 08/10/2020 | Telephone: 916-445-9379 |
| Date Made Active in Reports: 10/29/2020 | Last EDR Contact: 11/09/2020 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 02/22/2021 |
| | Data Release Frequency: Quarterly |

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

| | |
|---|--|
| Date of Government Version: 08/31/2020 | Source: Department of Pesticide Regulation |
| Date Data Arrived at EDR: 08/31/2020 | Telephone: 916-445-4038 |
| Date Made Active in Reports: 11/20/2020 | Last EDR Contact: 12/01/2020 |
| Number of Days to Update: 81 | Next Scheduled EDR Contact: 03/15/2021 |
| | Data Release Frequency: Quarterly |

PROC: Certified Processors Database

A listing of certified processors.

| | |
|---|--|
| Date of Government Version: 09/08/2020 | Source: Department of Conservation |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 916-323-3836 |
| Date Made Active in Reports: 12/01/2020 | Last EDR Contact: 12/08/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 03/22/2021 |
| | 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: 12/07/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 12/09/2020 | Telephone: 916-445-3846 |
| Date Made Active in Reports: 12/10/2020 | Last EDR Contact: 12/07/2020 |
| Number of Days to Update: 1 | Next Scheduled EDR Contact: 03/29/2021 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

| | |
|---|--|
| Date of Government Version: 09/08/2020 | Source: Department of Conservation |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 916-445-2408 |
| Date Made Active in Reports: 12/01/2020 | Last EDR Contact: 12/08/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 03/22/2021 |
| | Data Release Frequency: Varies |

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

| | |
|---|--|
| Date of Government Version: 09/08/2020 | Source: State Water Resource Control Board |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/30/2020 | Last EDR Contact: 12/04/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/22/2021 |
| | 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: 11/19/2019 | Source: RWQCB, Central Valley Region |
| Date Data Arrived at EDR: 01/07/2020 | Telephone: 559-445-5577 |
| Date Made Active in Reports: 03/09/2020 | Last EDR Contact: 01/08/2021 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 04/19/2021 |
| | Data Release Frequency: Varies |

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

| | |
|---|---|
| Date of Government Version: 06/19/2007 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/20/2007 | Telephone: 916-341-5227 |
| Date Made Active in Reports: 06/29/2007 | Last EDR Contact: 11/13/2020 |
| Number of Days to Update: 9 | Next Scheduled EDR Contact: 03/01/2021 |
| | Data Release Frequency: No Update Planned |

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

| | |
|---|---|
| Date of Government Version: 07/03/2009 | Source: Los Angeles Water Quality Control Board |
| Date Data Arrived at EDR: 07/21/2009 | Telephone: 213-576-6726 |
| Date Made Active in Reports: 08/03/2009 | Last EDR Contact: 12/15/2020 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: No Update Planned |

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

| | |
|---|---|
| Date of Government Version: 09/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/30/2020 | Last EDR Contact: 12/04/2020 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/22/2021 |
| | Data Release Frequency: Varies |

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

PCS ENF: Enforcement data No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 82

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/15/2021
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: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/13/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/02/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/14/2020
Number of Days to Update: 76

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 01/12/2021
Number of Days to Update: 84

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 06/01/2019 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 06/25/2019 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 08/22/2019 | Last EDR Contact: 12/18/2020 |
| Number of Days to Update: 58 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Varies |

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

| | |
|---|---|
| Date of Government Version: 04/30/2012 | Source: Los Angeles County Department of Public Works |
| Date Data Arrived at EDR: 04/17/2019 | Telephone: 626-458-6973 |
| Date Made Active in Reports: 05/29/2019 | Last EDR Contact: 01/15/2021 |
| Number of Days to Update: 42 | Next Scheduled EDR Contact: 04/26/2021 |
| | Data Release Frequency: No Update Planned |

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 06/01/2019 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 06/25/2019 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 08/22/2019 | Last EDR Contact: 12/18/2020 |
| Number of Days to Update: 58 | Next Scheduled EDR Contact: 04/05/2021 |
| | Data Release Frequency: Varies |

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 06/01/2019 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 06/25/2019 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 08/22/2019 | Last EDR Contact: 12/18/2020 |
| Number of Days to Update: 58 | Next Scheduled EDR Contact: 04/05/2021 |
| | 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: 07/20/2020 | Source: Community Health Services |
| Date Data Arrived at EDR: 10/09/2020 | Telephone: 323-890-7806 |
| Date Made Active in Reports: 12/29/2020 | Last EDR Contact: 01/12/2021 |
| Number of Days to Update: 81 | Next Scheduled EDR Contact: 04/26/2021 |
| | 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 | Source: City of El Segundo Fire Department |
| Date Data Arrived at EDR: 04/19/2017 | Telephone: 310-524-2236 |
| Date Made Active in Reports: 05/10/2017 | Last EDR Contact: 10/07/2020 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 01/25/2021 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

| | |
|---|--|
| Date of Government Version: 04/22/2019 | Source: City of Long Beach Fire Department |
| Date Data Arrived at EDR: 04/23/2019 | Telephone: 562-570-2563 |
| Date Made Active in Reports: 06/27/2019 | Last EDR Contact: 10/13/2020 |
| Number of Days to Update: 65 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Varies |

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

| | |
|---|--|
| Date of Government Version: 09/11/2020 | Source: City of Torrance Fire Department |
| Date Data Arrived at EDR: 10/07/2020 | Telephone: 310-618-2973 |
| Date Made Active in Reports: 12/23/2020 | Last EDR Contact: 10/05/2020 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Semi-Annually |

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

| | |
|---|--|
| Date of Government Version: 08/10/2020 | Source: Madera County Environmental Health |
| Date Data Arrived at EDR: 08/12/2020 | Telephone: 559-675-7823 |
| Date Made Active in Reports: 10/23/2020 | Last EDR Contact: 11/11/2020 |
| Number of Days to Update: 72 | Next Scheduled EDR Contact: 03/01/2021 |
| | 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 | Source: Public Works Department Waste Management |
| Date Data Arrived at EDR: 10/04/2018 | Telephone: 415-473-6647 |
| Date Made Active in Reports: 11/02/2018 | Last EDR Contact: 12/21/2020 |
| Number of Days to Update: 29 | Next Scheduled EDR Contact: 04/12/2021 |
| | Data Release Frequency: Semi-Annually |

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

| | |
|---|--|
| Date of Government Version: 07/28/2020 | Source: Merced County Environmental Health |
| Date Data Arrived at EDR: 07/30/2020 | Telephone: 209-381-1094 |
| Date Made Active in Reports: 07/31/2020 | Last EDR Contact: 11/11/2020 |
| Number of Days to Update: 1 | Next Scheduled EDR Contact: 03/01/2021 |
| | Data Release Frequency: Varies |

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 08/20/2020
Date Data Arrived at EDR: 08/24/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 77

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/15/2020
Next Scheduled EDR Contact: 03/08/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 56

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/21/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 10/26/2020
Date Data Arrived at EDR: 10/28/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 79

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/19/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/02/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/19/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 02/15/2021
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: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
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: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
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: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/23/2020
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 08/20/2020
Date Data Arrived at EDR: 08/20/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2020
Date Data Arrived at EDR: 07/31/2020
Date Made Active in Reports: 10/16/2020
Number of Days to Update: 77

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 09/16/2020
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
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: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 77

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 83

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 10/14/2020
Date Data Arrived at EDR: 10/15/2020
Date Made Active in Reports: 01/05/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List

Cupa program facilities

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/06/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 81

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/28/2020 | Source: Ventura County Environmental Health Division |
| Date Data Arrived at EDR: 10/22/2020 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 01/12/2021 | Last EDR Contact: 10/19/2020 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 02/01/2021 |
| | 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 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 12/01/2011 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 01/19/2012 | Last EDR Contact: 12/21/2020 |
| Number of Days to Update: 49 | Next Scheduled EDR Contact: 04/12/2021 |
| | Data Release Frequency: No Update Planned |

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

| | |
|---|---|
| Date of Government Version: 05/29/2008 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 06/24/2008 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 07/31/2008 | Last EDR Contact: 11/05/2020 |
| Number of Days to Update: 37 | Next Scheduled EDR Contact: 02/22/2021 |
| | Data Release Frequency: No Update Planned |

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

| | |
|---|---|
| Date of Government Version: 09/28/2020 | Source: Ventura County Resource Management Agency |
| Date Data Arrived at EDR: 10/22/2020 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 01/12/2021 | Last EDR Contact: 10/19/2020 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 02/01/2021 |
| | Data Release Frequency: Quarterly |

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

| | |
|---|--|
| Date of Government Version: 08/26/2020 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 09/08/2020 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 12/01/2020 | Last EDR Contact: 12/08/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 03/22/2021 |
| | 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: 12/21/2020 | Source: Yolo County Department of Health |
| Date Data Arrived at EDR: 12/23/2020 | Telephone: 530-666-8646 |
| Date Made Active in Reports: 01/04/2021 | Last EDR Contact: 12/20/2020 |
| Number of Days to Update: 12 | Next Scheduled EDR Contact: 04/11/2021 |
| | Data Release Frequency: Annually |

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/07/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GARDENA VALLEY 1 & 2 LANDFILL
MAIN STREET & FIGUEROA
CARSON, CA 90745

TARGET PROPERTY COORDINATES

| | |
|--------------------------------|------------------------------|
| Latitude (North): | 33.843893 - 33° 50' 38.01" |
| Longitude (West): | 118.282468 - 118° 16' 56.88" |
| Universal Transverse Mercator: | Zone 11 |
| UTM X (Meters): | 381344.2 |
| UTM Y (Meters): | 3745393.0 |
| Elevation: | 26 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|----------------------|----------------------|
| Target Property Map: | 5633779 TORRANCE, 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).

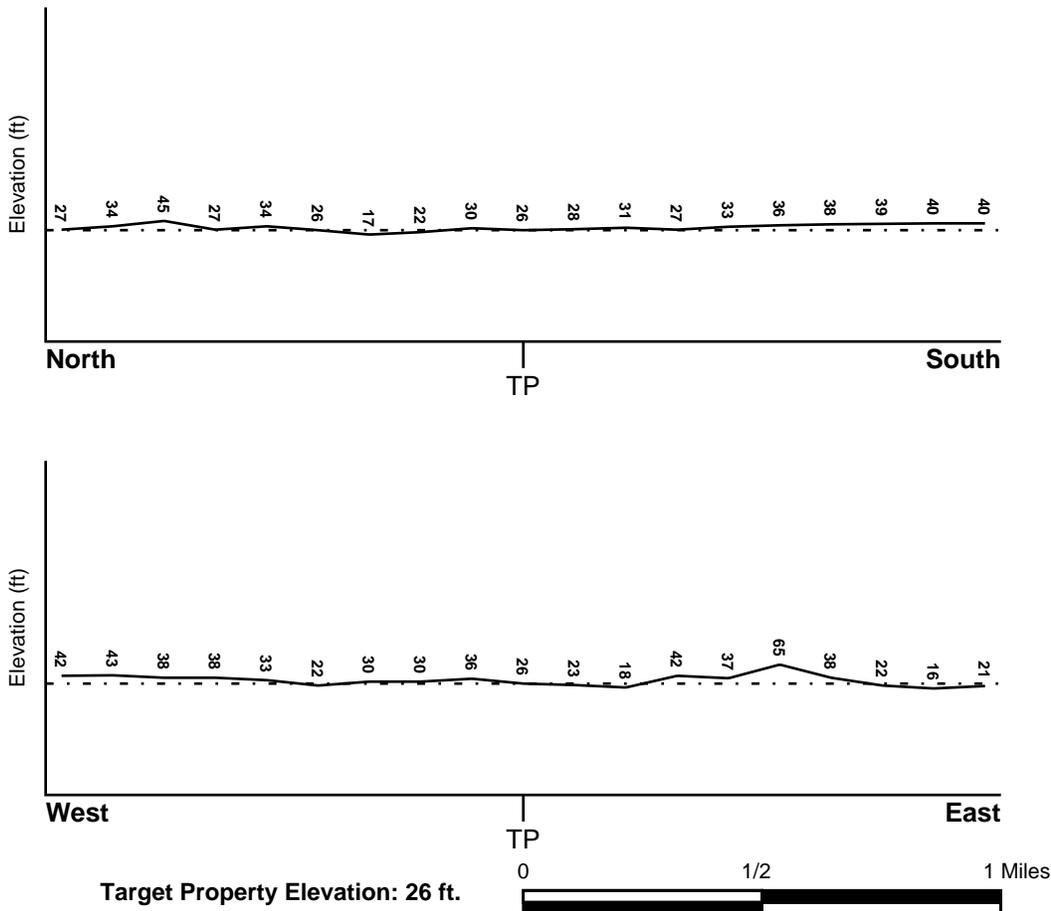
TOPOGRAPHIC INFORMATION

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



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

| | |
|---|-------------------------|
| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
| 06037C1935F | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| Not Reported | |

NATIONAL WETLAND INVENTORY

| | |
|------------------------------------|--|
| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u> |
| 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: | 1/4 - 1/2 Mile SSW |
| Site Name: | Golden Eagle Refining Co Inc |
| Site EPA ID Number: | CAD062080064 |
| Groundwater Flow Direction: | Southeast |
| Measured Depth to Water: | 29 feet. |
| Hydraulic Connection: | A hydraulic connection exists between the aquifers under the site. |
| Sole Source Aquifer: | No information about a sole source aquifer is available |
| Data Quality: | Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s) |

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.

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| N93 | 1/2 - 1 Mile North | S |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-----------------------------|---|
| 115 | 1/2 - 1 Mile SSW | Not Reported |
| W127 | 1/2 - 1 Mile NNE | Not Reported |
| W128 | 1/2 - 1 Mile NNE | Not Reported |
| 1G | 1/2 - 1 Mile NNE | Not Reported |
| 2G | 1/2 - 1 Mile NNE | Not Reported |
| 3G | 1/2 - 1 Mile North | S |
| 4G | 1/2 - 1 Mile SSW | Not Reported |

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified 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 | | | | | | | |
|------------------------|----------|----------|--------------------|----------------|--------------|---------------------------|------------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Permeability Rate (in/hr) | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 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

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

FEDERAL USGS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|----------------|----------------|-------------------------|
| No Wells Found | | |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------------|----------------|-------------------------|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-------------------------|
| 1 | CADWR0000012662 | 0 - 1/8 Mile WSW |
| A2 | CAEDF0000115308 | 1/8 - 1/4 Mile SSW |
| 3 | CAEDF0000078764 | 1/8 - 1/4 Mile SE |
| 4 | CAEDF0000123068 | 1/8 - 1/4 Mile South |
| A5 | CAEDF0000076388 | 1/8 - 1/4 Mile SW |
| B6 | CAEDF0000065249 | 1/4 - 1/2 Mile WSW |
| C7 | CAEDF0000078211 | 1/4 - 1/2 Mile SSE |
| B8 | CAEDF0000120504 | 1/4 - 1/2 Mile WSW |
| B9 | CAEDF0000143588 | 1/4 - 1/2 Mile WSW |
| B10 | CAEDF0000133206 | 1/4 - 1/2 Mile WSW |
| B11 | CAEDF0000062274 | 1/4 - 1/2 Mile WSW |
| B12 | CAEDF0000003867 | 1/4 - 1/2 Mile WSW |
| B13 | CAEDF0000140000 | 1/4 - 1/2 Mile WSW |
| B14 | CAEDF0000059061 | 1/4 - 1/2 Mile WSW |
| 15 | CADWR0000016011 | 1/4 - 1/2 Mile NNE |
| B16 | CAEDF0000143242 | 1/4 - 1/2 Mile WSW |
| B17 | CAEDF0000007275 | 1/4 - 1/2 Mile WSW |
| B18 | CAEDF0000010123 | 1/4 - 1/2 Mile WSW |
| B19 | CAEDF0000061162 | 1/4 - 1/2 Mile WSW |
| B20 | CAEDF0000034774 | 1/4 - 1/2 Mile WSW |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|----------------------|
| B21 | CAEDF0000046111 | 1/4 - 1/2 Mile WSW |
| B22 | CAEDF0000092750 | 1/4 - 1/2 Mile WSW |
| D23 | CAEDF0000080076 | 1/4 - 1/2 Mile SSW |
| B24 | CAEDF0000067607 | 1/4 - 1/2 Mile WSW |
| B25 | CAEDF0000032764 | 1/4 - 1/2 Mile WSW |
| B26 | CAEDF0000017460 | 1/4 - 1/2 Mile WSW |
| B27 | CAEDF0000087687 | 1/4 - 1/2 Mile WSW |
| B28 | CAEDF0000129677 | 1/4 - 1/2 Mile WSW |
| B29 | CAEDF0000117339 | 1/4 - 1/2 Mile WSW |
| E30 | CAEDF0000036622 | 1/4 - 1/2 Mile South |
| E31 | CAEDF0000073023 | 1/4 - 1/2 Mile South |
| B32 | CAEDF0000078338 | 1/4 - 1/2 Mile WSW |
| B33 | CAEDF0000035012 | 1/4 - 1/2 Mile WSW |
| B34 | CAEDF0000063604 | 1/4 - 1/2 Mile WSW |
| E35 | CAEDF0000124227 | 1/4 - 1/2 Mile South |
| E36 | CAEDF0000106695 | 1/4 - 1/2 Mile South |
| B37 | CAEDF0000104001 | 1/4 - 1/2 Mile WSW |
| D38 | CAEDF0000089168 | 1/4 - 1/2 Mile SSW |
| E39 | CAEDF0000016472 | 1/4 - 1/2 Mile SSE |
| B40 | CAEDF0000140679 | 1/4 - 1/2 Mile WSW |
| C41 | CAEDF0000137341 | 1/4 - 1/2 Mile SSE |
| C42 | CAEDF0000142400 | 1/4 - 1/2 Mile SSE |
| E43 | CAEDF0000101802 | 1/4 - 1/2 Mile South |
| E44 | CAEDF0000070770 | 1/4 - 1/2 Mile South |
| C45 | CAEDF0000089712 | 1/4 - 1/2 Mile SSE |
| C46 | CAEDF0000072496 | 1/4 - 1/2 Mile SSE |
| E47 | CAEDF0000004242 | 1/4 - 1/2 Mile South |
| E48 | CAEDF0000077958 | 1/4 - 1/2 Mile South |
| E49 | CAEDF0000005240 | 1/4 - 1/2 Mile South |
| F50 | CAEDF0000095854 | 1/4 - 1/2 Mile SSE |
| F51 | CAEDF0000008024 | 1/4 - 1/2 Mile SSE |
| D52 | CAEDF0000101497 | 1/4 - 1/2 Mile SSW |
| F53 | CAEDF0000015695 | 1/4 - 1/2 Mile SSE |
| D54 | CAEDF0000009471 | 1/4 - 1/2 Mile SSW |
| G55 | CAEDF0000049557 | 1/4 - 1/2 Mile South |
| 56 | CAEDF0000078441 | 1/4 - 1/2 Mile SSW |
| F57 | CAEDF0000077877 | 1/4 - 1/2 Mile SSE |
| G58 | CAEDF0000095308 | 1/4 - 1/2 Mile South |
| H59 | CAEDF0000119246 | 1/4 - 1/2 Mile WSW |
| H60 | CAEDF0000021172 | 1/4 - 1/2 Mile WSW |
| H61 | CAEDF0000046426 | 1/4 - 1/2 Mile WSW |
| I62 | CAEDF0000003031 | 1/4 - 1/2 Mile South |
| H63 | CAEDF0000132234 | 1/4 - 1/2 Mile WSW |
| H64 | CAEDF0000102366 | 1/4 - 1/2 Mile WSW |
| H65 | CAEDF0000035373 | 1/4 - 1/2 Mile WSW |
| H66 | CAEDF0000065998 | 1/4 - 1/2 Mile WSW |
| I67 | CAEDF0000076636 | 1/4 - 1/2 Mile SSW |
| H68 | CAEDF0000129586 | 1/4 - 1/2 Mile WSW |
| 69 | CADWR0000019909 | 1/4 - 1/2 Mile SE |
| J70 | CAEDF0000094978 | 1/4 - 1/2 Mile SSE |
| J71 | CAEDF0000011218 | 1/4 - 1/2 Mile South |
| I72 | CAEDF0000044414 | 1/4 - 1/2 Mile South |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|------------------|----------------------|
| K73 | CAEDF0000134765 | 1/4 - 1/2 Mile South |
| K74 | CAEDF0000093900 | 1/4 - 1/2 Mile South |
| I75 | CAEDF0000119304 | 1/4 - 1/2 Mile South |
| I76 | CAEDF0000106843 | 1/4 - 1/2 Mile South |
| L77 | CAEDF0000118730 | 1/4 - 1/2 Mile SSW |
| J78 | CAEDF0000039241 | 1/4 - 1/2 Mile SSE |
| J79 | CAEDF0000013834 | 1/2 - 1 Mile SSE |
| M80 | CADWR0000000719 | 1/2 - 1 Mile NNE |
| M81 | CADWR0000011589 | 1/2 - 1 Mile NNE |
| L82 | CAEDF0000070897 | 1/2 - 1 Mile SSW |
| L83 | CAEDF0000034862 | 1/2 - 1 Mile SSW |
| L84 | CADWR0000014700 | 1/2 - 1 Mile South |
| N85 | CAEDF0000108927 | 1/2 - 1 Mile North |
| N86 | CAEDF0000074028 | 1/2 - 1 Mile North |
| N87 | CAEDF0000081594 | 1/2 - 1 Mile North |
| N88 | CAEDF0000039134 | 1/2 - 1 Mile North |
| N89 | CAEDF0000014006 | 1/2 - 1 Mile North |
| N90 | CAEDF0000135406 | 1/2 - 1 Mile North |
| O91 | CAEDF0000004876 | 1/2 - 1 Mile NW |
| O92 | CAEDF0000038776 | 1/2 - 1 Mile NW |
| N94 | CAEDF0000143205 | 1/2 - 1 Mile North |
| N95 | CAEDF0000001012 | 1/2 - 1 Mile North |
| P96 | CADWR00000034386 | 1/2 - 1 Mile NE |
| P97 | CADWR00000003768 | 1/2 - 1 Mile NE |
| 98 | CAEDF0000022130 | 1/2 - 1 Mile North |
| 99 | CADWR00000030315 | 1/2 - 1 Mile ENE |
| Q100 | CADWR00000029525 | 1/2 - 1 Mile NE |
| Q101 | CADWR00000035044 | 1/2 - 1 Mile NE |
| Q102 | CADWR00000026856 | 1/2 - 1 Mile NE |
| 103 | CADWR00000024225 | 1/2 - 1 Mile NNE |
| R104 | CAEDF0000127045 | 1/2 - 1 Mile SSE |
| R105 | CAEDF0000019024 | 1/2 - 1 Mile SSE |
| S106 | CAEDF0000048964 | 1/2 - 1 Mile South |
| S107 | CAEDF0000008029 | 1/2 - 1 Mile South |
| S108 | CAEDF0000082153 | 1/2 - 1 Mile South |
| S109 | CAEDF0000054284 | 1/2 - 1 Mile South |
| R110 | CAEDF0000132240 | 1/2 - 1 Mile SSE |
| S111 | CAEDF0000043671 | 1/2 - 1 Mile South |
| S112 | CAEDF0000011966 | 1/2 - 1 Mile South |
| R113 | CAEDF0000140743 | 1/2 - 1 Mile SSE |
| R114 | CAEDF0000129871 | 1/2 - 1 Mile SSE |
| S116 | CAEDF0000089866 | 1/2 - 1 Mile South |
| S117 | CAEDF0000115702 | 1/2 - 1 Mile South |
| S118 | CAEDF0000090359 | 1/2 - 1 Mile South |
| 119 | CADWR00000022501 | 1/2 - 1 Mile East |
| T120 | CAEDF0000120581 | 1/2 - 1 Mile SSE |
| U121 | CAEDF0000006787 | 1/2 - 1 Mile North |
| T122 | CAEDF0000133596 | 1/2 - 1 Mile SSE |
| T123 | CAEDF0000108489 | 1/2 - 1 Mile SSE |
| T124 | CAEDF0000056583 | 1/2 - 1 Mile SSE |
| V125 | CAEDF0000050123 | 1/2 - 1 Mile SSW |
| V126 | CAEDF0000125785 | 1/2 - 1 Mile SSW |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

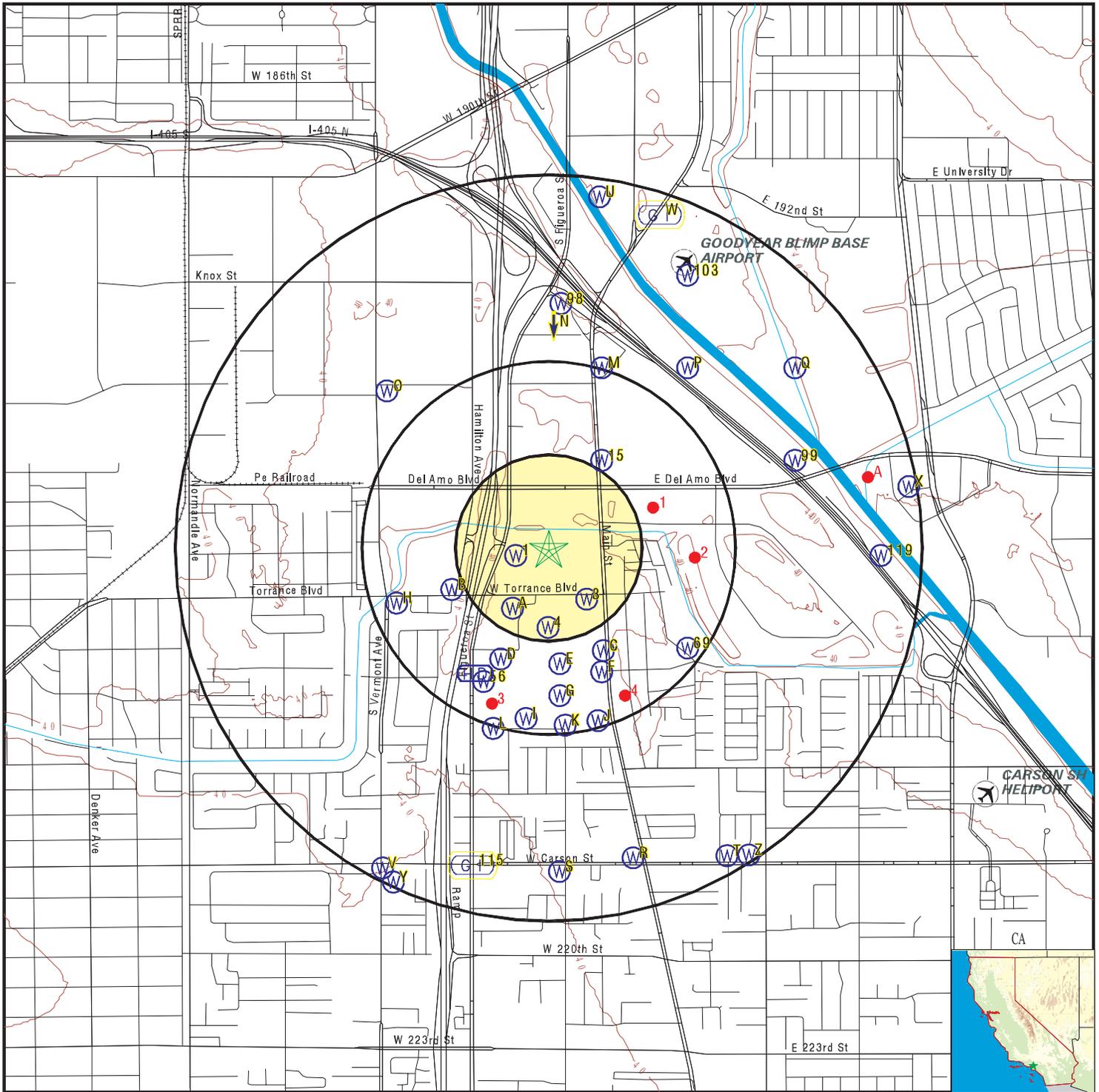
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|---------------------|
| T129 | CAEDF0000036083 | 1/2 - 1 Mile SSE |
| T130 | CAEDF0000119534 | 1/2 - 1 Mile SSE |
| T131 | CAEDF0000068193 | 1/2 - 1 Mile SSE |
| T132 | CAEDF0000107646 | 1/2 - 1 Mile SSE |
| V133 | CAEDF0000119470 | 1/2 - 1 Mile SSW |
| T134 | CAEDF0000083739 | 1/2 - 1 Mile SSE |
| V135 | CAEDF0000069813 | 1/2 - 1 Mile SSW |
| V136 | CAEDF0000018837 | 1/2 - 1 Mile SSW |
| T137 | CAEDF0000075942 | 1/2 - 1 Mile SSE |
| V138 | CAEDF0000042575 | 1/2 - 1 Mile SSW |
| T139 | CAEDF0000107729 | 1/2 - 1 Mile SSE |
| V140 | CAEDF0000085215 | 1/2 - 1 Mile SSW |
| T141 | CAEDF0000031036 | 1/2 - 1 Mile SSE |
| T142 | CAEDF0000015699 | 1/2 - 1 Mile SSE |
| X143 | CAEDF0000113620 | 1/2 - 1 Mile East |
| V144 | CAEDF0000036419 | 1/2 - 1 Mile SSW |
| T145 | CAEDF0000042662 | 1/2 - 1 Mile SSE |
| T146 | CAEDF0000117754 | 1/2 - 1 Mile SSE |
| V147 | CAEDF0000089109 | 1/2 - 1 Mile SSW |
| T148 | CAEDF0000013452 | 1/2 - 1 Mile SSE |
| X149 | CAEDF0000109485 | 1/2 - 1 Mile East |
| V150 | CAEDF0000107654 | 1/2 - 1 Mile SSW |
| T151 | CAEDF0000033658 | 1/2 - 1 Mile SSE |
| U152 | CAEDF0000017935 | 1/2 - 1 Mile North |
| V153 | CAEDF0000034608 | 1/2 - 1 Mile SSW |
| V154 | CAEDF0000022775 | 1/2 - 1 Mile SSW |
| V155 | CAEDF0000085134 | 1/2 - 1 Mile SSW |
| T156 | CAEDF0000011258 | 1/2 - 1 Mile SSE |
| X157 | CAEDF0000092951 | 1/2 - 1 Mile East |
| Y158 | CAEDF0000093361 | 1/2 - 1 Mile SSW |
| Z159 | CAEDF0000123856 | 1/2 - 1 Mile SSE |
| V160 | CAEDF0000101971 | 1/2 - 1 Mile SSW |
| V161 | CAEDF0000067670 | 1/2 - 1 Mile SSW |
| Z162 | CAEDF0000136078 | 1/2 - 1 Mile SSE |
| X163 | CAEDF0000090790 | 1/2 - 1 Mile East |
| V164 | CAEDF0000072366 | 1/2 - 1 Mile SSW |
| X165 | CAEDF0000043888 | 1/2 - 1 Mile East |
| X166 | CAEDF0000112017 | 1/2 - 1 Mile East |
| V167 | CAEDF0000056169 | 1/2 - 1 Mile SSW |
| Y168 | CAEDF0000126269 | 1/2 - 1 Mile SSW |

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|---------------------|
| 1 | CAOG13000005387 | 1/4 - 1/2 Mile ENE |
| 2 | CAOG13000005292 | 1/4 - 1/2 Mile East |
| 3 | CAOG13000005386 | 1/4 - 1/2 Mile SSW |
| 4 | CAOG13000005443 | 1/4 - 1/2 Mile SSE |
| A5 | CAOG13000005843 | 1/2 - 1 Mile ENE |
| A6 | CAOG13000005713 | 1/2 - 1 Mile ENE |

PHYSICAL SETTING SOURCE MAP - 6333862.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Gardena Valley 1 & 2 Landfill
 ADDRESS: Main Street & Figueroa
 Carson CA 90745
 LAT/LONG: 33.843893 / 118.282468

CLIENT: Haley & Aldrich
 CONTACT: Keith Foster
 INQUIRY #: 6333862.2s
 DATE: January 19, 2021 1:05 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WSW
0 - 1/8 Mile
Higher

CA WELLS CADWR0000012662

Well ID: 04S13W07C001S Well Type: UNK
 Source: Department of Water Resources
 Other Name: 04S13W07C001S GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W07C001S&store_num=
 GeoTracker Data: Not Reported

A2
SSW
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000115308

Well ID: SL184031386-MW-24 Well Type: MONITORING
 Source: EDF Other Name: MW-24
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-24&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-24

3
SE
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000078764

Well ID: SL184031386-MW-14 Well Type: MONITORING
 Source: EDF Other Name: MW-14
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-14&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-14

4
South
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000123068

Well ID: SL184031386-MW-21 Well Type: MONITORING
 Source: EDF Other Name: MW-21
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-21&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-21

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A5
SW
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000076388

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-31 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-31 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-31&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-31 | | |

B6
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000065249

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW13 | | |

C7
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000078211

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-18 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-18 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-18&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-18 | | |

B8
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000120504

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW8 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B9
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000143588

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW14 | | |

B10
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000133206

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW16&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW16 | | |

B11
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000062274

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW12 | | |

B12
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000003867

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW10 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B13
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000140000

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW2 | | |

B14
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000059061

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW11 | | |

15
NNE
1/4 - 1/2 Mile
Lower

CA WELLS CADWR0000016011

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W06Q001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W06Q001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W06Q001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

B16
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000143242

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW8 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B17
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF000007275

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW7 | | |

B18
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000010123

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW4 | | |

B19
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000061162

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW7 | | |

B20
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000034774

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW3 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B21
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000046111

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW6 | | |

B22
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000092750

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW1 | | |

D23
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000080076

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-26 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-26 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-26&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-26 | | |

B24
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000067607

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW3 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B25
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000032764

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW6 | | |

B26
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000017460

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW5 | | |

B27
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000087687

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-IW4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | IW4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW4 | | |

B28
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000129677

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-VEW1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | VEW1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=VEW1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=VEW1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B29
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000117339

Well ID: T0603778569-VEW1D Well Type: MONITORING
 Source: EDF Other Name: VEW1D
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=VEW1D&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=VEW1D

E30
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000036622

Well ID: SL184031386-AUS-11S Well Type: MONITORING
 Source: EDF Other Name: AUS-11S
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-11S&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-11S

E31
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000073023

Well ID: SL184031386-AUS-11D Well Type: MONITORING
 Source: EDF Other Name: AUS-11D
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-11D&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-11D

B32
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000078338

Well ID: T0603778569-IW1 Well Type: MONITORING
 Source: EDF Other Name: IW1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=IW1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=IW1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B33
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000035012

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW9 | | |

B34
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000063604

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW15 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW15 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW15&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW15 | | |

E35
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000124227

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-12S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-12S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-12S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-12S | | |

E36
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000106695

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-12D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-12D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-12D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-12D | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B37
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000104001

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW5 | | |

D38
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000089168

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-41 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-41 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-41&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-41 | | |

E39
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000016472

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-20 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-20 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-20&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-20 | | |

B40
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000140679

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603778569-MW11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778569&assigned_name=MW11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778569&assigned_name=MW11 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C41
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000137341

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-8D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-8D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-8D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-8D | | |

C42
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000142400

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-8S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-8S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-8S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-8S | | |

E43
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000101802

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-2S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-2S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-2S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-2S | | |

E44
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000070770

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-2D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-2D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-2D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-2D | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C45
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000089712

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-2AR-S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2AR-S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-2AR-S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-2AR-S | | |

C46
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000072496

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-2AR-D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2AR-D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-2AR-D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-2AR-D | | |

E47
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000004242

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-10D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-10D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-10D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-10D | | |

E48
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000077958

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-10S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-10S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-10S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-10S | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E49
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF000005240

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-37A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-37A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-37A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-37A | | |

F50
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000095854

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-9D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-9D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-9D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-9D | | |

F51
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF000008024

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-9S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-9S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-9S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-9S | | |

D52
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000101497

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-3 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F53
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000015695

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-19 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-19 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-19&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-19 | | |

D54
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000009471

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-45 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-45 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-45&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-45 | | |

G55
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000049557

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-33A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-33A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-33A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-33A | | |

56
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000078441

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-25 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-25 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-25&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-25 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F57
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000077877

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-32 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-32 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-32&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-32 | | |

G58
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000095308

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-27 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-27 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-27&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-27 | | |

H59
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000119246

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW08 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW08 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW08&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW08 | | |

H60
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000021172

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW07 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW07 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW07&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW07 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H61
WSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000046426

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW06 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW06 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW06&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW06 | | |

I62
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000003031

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-42 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-42 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-42&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-42 | | |

H63
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000132234

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW05 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW05 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW05&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW05 | | |

H64
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000102366

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW04 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW04 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW04&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW04 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H65
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000035373

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW03 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW03 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW03&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW03 | | |

H66
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000065998

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW02 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW02 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW02&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW02 | | |

I67
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000076636

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-DAV-59D | Well Type: | MONITORING |
| Source: | EDF | Other Name: | DAV-59D |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=DAV-59D&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=DAV-59D | | |

H68
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000129586

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704674-MW01 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW01 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704674&assigned_name=MW01&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704674&assigned_name=MW01 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

69
SE
1/4 - 1/2 Mile
Lower

CA WELLS CADWR0000019909

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W07H001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W07H001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W07H001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

J70
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000094978

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-7 | | |

J71
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000011218

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-22A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-22A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-22A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-22A | | |

I72
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000044414

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-4A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-4A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-4A | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K73
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000134765

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-38 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-38 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-38&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-38 | | |

K74
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000093900

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-5 | | |

I75
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000119304

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-43 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-43 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-43&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-43 | | |

I76
South
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000106843

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-4 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L77
SSW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000118730

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-44 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-44 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-44&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-44 | | |

J78
SSE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000039241

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-AUS-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | AUS-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=AUS-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=AUS-6 | | |

J79
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000013834

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-3A | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3A |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-3A&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-3A | | |

M80
NNE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000000719

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W06K001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W06K001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W06K001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M81
NNE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000011589

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W06K002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W06K002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W06K002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

L82
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000070897

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-39 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-39 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-39&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-39 | | |

L83
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000034862

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL184031386-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184031386&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184031386&assigned_name=MW-6 | | |

L84
South
1/2 - 1 Mile
Higher

CA WELLS CADWR0000014700

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W07L001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W07L001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W07L001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

N85
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000108927

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-10 | | |

N86
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000074028

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-1 | | |

N87
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000081594

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-9 | | |

N88
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000039134

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-8 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

N89
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000014006

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-6 | | |

N90
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000135406

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-2 | | |

O91
NW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000004876

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702006-WCC_05S | Well Type: | MONITORING |
| Source: | EDF | Other Name: | WCC_05S |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702006&assigned_name=WCC_05S&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702006&assigned_name=WCC_05S | | |

O92
NW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000038776

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702006-TMW_10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | TMW_10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702006&assigned_name=TMW_10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702006&assigned_name=TMW_10 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

N93
North
1/2 - 1 Mile
Higher

Site ID: I-0599
 Groundwater Flow: S
 Shallow Water Depth: Not Reported
 Deep Water Depth: Not Reported
 Average Water Depth: 80.9
 Date: 11/17/1991

AQUIFLOW 55224

N94
North
1/2 - 1 Mile
Higher

Well ID: T0603702864-MW-7 Well Type: MONITORING
 Source: EDF Other Name: MW-7
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-7&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-7

CA WELLS CAEDF0000143205

N95
North
1/2 - 1 Mile
Higher

Well ID: T0603702864-MW-3 Well Type: MONITORING
 Source: EDF Other Name: MW-3
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-3&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-3

CA WELLS CAEDF0000001012

P96
NE
1/2 - 1 Mile
Lower

Well ID: 04S13W06J002S Well Type: UNK
 Source: Department of Water Resources
 Other Name: 04S13W06J002S GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W06J002S&store_num=
 GeoTracker Data: Not Reported

CA WELLS CADWR0000034386

P97
NE
1/2 - 1 Mile
Lower

Well ID: 04S13W06J001S Well Type: UNK
 Source: Department of Water Resources

CA WELLS CADWR0000003768

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------------|---|--------------------|--------------|
| Other Name: | 04S13W06J001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W06J001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

98
North
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000022130

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603702864-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603702864&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603702864&assigned_name=MW-5 | | |

99
ENE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000030315

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W05N002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W05N002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W05N002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

Q100
NE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000029525

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W05M001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W05M001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W05M001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

Q101
NE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000035044

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W05M002S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W05M002S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W05M002S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Q102
NE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000026856

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W05M003S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W05M003S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W05M003S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

103
NNE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000024225

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 04S13W06H001S | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 04S13W06H001S | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W06H001S&store_num= | | |
| GeoTracker Data: | Not Reported | | |

R104
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000127045

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705491-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705491&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705491&assigned_name=MW-6 | | |

R105
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000019024

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705491-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705491&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705491&assigned_name=MW-3 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

S106
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000048964

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-3 | | |

S107
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000008029

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-6 | | |

S108
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000082153

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-4 | | |

S109
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000054284

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-9 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

R110
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000132240

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705491-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705491&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705491&assigned_name=MW-5 | | |

S111
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000043671

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-2 | | |

S112
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000011966

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-10 | | |

R113
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000140743

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705491-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705491&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705491&assigned_name=MW-7 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

R114
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000129871

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705491-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705491&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705491&assigned_name=MW-4 | | |

115
SSW
1/2 - 1 Mile
Higher

AQUIFLOW 55228

| | |
|----------------------|--------------|
| Site ID: | I-06264 |
| Groundwater Flow: | Not Reported |
| Shallow Water Depth: | Not Reported |
| Deep Water Depth: | Not Reported |
| Average Water Depth: | 70 |
| Date: | 07/17/1996 |

S116
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000089866

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-1 | | |

S117
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000115702

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603705540-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-8 | | |

S118
South
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000090359

| | | | |
|----------|------------------|-------------|------------|
| Well ID: | T0603705540-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705540&assigned_name=MW-5&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705540&assigned_name=MW-5

119
East
1/2 - 1 Mile
Lower

CA WELLS CADWR0000022501

Well ID: 04S13W08C001S Well Type: UNK
 Source: Department of Water Resources
 Other Name: 04S13W08C001S GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S13W08C001S&store_num=
 GeoTracker Data: Not Reported

T120
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000120581

Well ID: T0603703616-MW-10 Well Type: MONITORING
 Source: EDF Other Name: MW-10
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-10&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-10

U121
North
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000006787

Well ID: T0603752356-MW-5 Well Type: MONITORING
 Source: EDF Other Name: MW-5
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603752356&assigned_name=MW-5&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603752356&assigned_name=MW-5

T122
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000133596

Well ID: T0603703616-MW-6 Well Type: MONITORING
 Source: EDF Other Name: MW-6
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-6&store_num=

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-6

T123
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000108489

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-1 | | |

T124
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000056583

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-13 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-13 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-13&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-13 | | |

V125
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000050123

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-4 | | |

V126
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000125785

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-3 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

W127
NNE
1/2 - 1 Mile
Higher

Site ID: R-10383
 Groundwater Flow: Not Reported
 Shallow Water Depth: Not Reported
 Deep Water Depth: Not Reported
 Average Water Depth: 26
 Date: 03/06/1989

AQUIFLOW 55242

W128
NNE
1/2 - 1 Mile
Higher

Site ID: R-10383
 Groundwater Flow: Not Reported
 Shallow Water Depth: Not Reported
 Deep Water Depth: Not Reported
 Average Water Depth: 26
 Date: 03/06/1989

AQUIFLOW 55241

T129
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000036083

Well ID: T0603703616-MW-2 Well Type: MONITORING
 Source: EDF Other Name: MW-2
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-2&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-2

T130
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000119534

Well ID: T0603703616-MW-3 Well Type: MONITORING
 Source: EDF Other Name: MW-3
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-3&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-3

T131
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000068193

Well ID: T0603703616-MW-15 Well Type: MONITORING
 Source: EDF Other Name: MW-15
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-15&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-15

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T132
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000107646

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-12 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-12 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-12&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-12 | | |

V133
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000119470

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-10 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-10 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-10&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-10 | | |

T134
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000083739

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-16 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-16 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-16&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-16 | | |

V135
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000069813

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-5 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

V136
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000018837

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-EX-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | EX-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=EX-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=EX-4 | | |

T137
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000075942

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-17 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-17 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-17&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-17 | | |

V138
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000042575

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-2 | | |

T139
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000107729

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-14 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

V140
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000085215

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-EX-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | EX-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=EX-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=EX-3 | | |

T141
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000031036

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603755885-CWMW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | CWMW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755885&assigned_name=CWMW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755885&assigned_name=CWMW-4 | | |

T142
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000015699

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-5 | | |

X143
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000113620

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL0603758226-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0603758226&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0603758226&assigned_name=MW-4 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

V144
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000036419

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-1 | | |

T145
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000042662

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-7 | | |

T146
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000117754

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-4 | | |

V147
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000089109

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-EX-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | EX-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=EX-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=EX-2 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T148
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000013452

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603755885-CWMW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | CWMW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755885&assigned_name=CWMW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755885&assigned_name=CWMW-5 | | |

X149
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000109485

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL0603758226-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0603758226&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0603758226&assigned_name=MW-5 | | |

V150
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000107654

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-7 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-7 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-7&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-7 | | |

T151
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000033658

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603703616-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703616&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703616&assigned_name=MW-8 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

U152
North
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000017935

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603752356-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603752356&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603752356&assigned_name=MW-6 | | |

V153
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000034608

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-5 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-5 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-5&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-5 | | |

V154
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000022775

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-1 | | |

V155
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000085134

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-EX-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | EX-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=EX-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=EX-1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T156
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000011258

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603755885-CWMW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | CWMW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755885&assigned_name=CWMW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755885&assigned_name=CWMW-1 | | |

X157
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000092951

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL0603758226-MW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0603758226&assigned_name=MW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0603758226&assigned_name=MW-3 | | |

Y158
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000093361

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-9 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-9 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-9&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-9 | | |

Z159
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000123856

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603755885-CWMW-3 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | CWMW-3 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755885&assigned_name=CWMW-3&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755885&assigned_name=CWMW-3 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

V160
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000101971

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-8 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-8 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-8&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-8 | | |

V161
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000067670

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-4 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-4 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-4&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-4 | | |

Z162
SSE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000136078

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603755885-CWMW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | CWMW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755885&assigned_name=CWMW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755885&assigned_name=CWMW-2 | | |

X163
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000090790

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL0603758226-MW-2 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-2 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0603758226&assigned_name=MW-2&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0603758226&assigned_name=MW-2 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

V164
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000072368

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603759521-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759521&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759521&assigned_name=MW-6 | | |

X165
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000043888

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL0603758226-MW-1 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-1 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0603758226&assigned_name=MW-1&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0603758226&assigned_name=MW-1 | | |

X166
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000112017

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | SL0603758226-MW-6 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-6 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0603758226&assigned_name=MW-6&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0603758226&assigned_name=MW-6 | | |

V167
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000056169

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-14 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-14 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-14&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-14 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Y168
SSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000126269

| | | | |
|---------------------------|---|-------------|------------|
| Well ID: | T0603704641-MW-11 | Well Type: | MONITORING |
| Source: | EDF | Other Name: | MW-11 |
| GAMA PFAS Testing: | Not Reported | | |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603704641&assigned_name=MW-11&store_num= | | |
| GeoTracker Data: | https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603704641&assigned_name=MW-11 | | |

1G
NNE
1/2 - 1 Mile
Lower

Site ID: R-10383
Groundwater Flow: Not Reported
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 26
Date: 03/06/1989

AQUIFLOW 55242

2G
NNE
1/2 - 1 Mile
Lower

Site ID: R-10383
Groundwater Flow: Not Reported
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 26
Date: 03/06/1989

AQUIFLOW 55241

3G
North
1/2 - 1 Mile
Lower

Site ID: I-0599
Groundwater Flow: S
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 80.9
Date: 11/17/1991

AQUIFLOW 55224

4G
SSW
1/2 - 1 Mile
Lower

Site ID: I-06264
Groundwater Flow: Not Reported
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 70
Date: 07/17/1996

AQUIFLOW 55228

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000005387

| | | | |
|------------------------|-----------------|--------------------|------------------|
| API #: | 0403705627 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | DH |
| Operator Name: | Marcus-Goldberg | Lease Name: | Marigold-Del Amo |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | SPUD Date: | Not Reported |

2

East

1/4 - 1/2 Mile

OIL_GAS

CAOG13000005292

| | | | |
|------------------------|---------------------------|--------------------|---------------|
| API #: | 0403705538 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | DH |
| Operator Name: | Thomas Kelly & Sons, Inc. | Lease Name: | Kelly-Del Amo |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | SPUD Date: | Not Reported |

3

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000005386

| | | | |
|------------------------|-----------------|--------------------|--------------|
| API #: | 0403705626 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | DH |
| Operator Name: | Marcus-Goldberg | Lease Name: | Marigold |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | SPUD Date: | Not Reported |

4

SSE

1/4 - 1/2 Mile

OIL_GAS

CAOG13000005443

| | | | |
|------------------------|-----------------|--------------------|--------------|
| API #: | 0403705742 | Well #: | 58 |
| Well Status: | Plugged | Well Type: | OG |
| Operator Name: | J. E. O'Donnell | Lease Name: | O'Donnell |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | SPUD Date: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A5
ENE
1/2 - 1 Mile

OIL_GAS CAOG13000005843

| | | | |
|------------------------|---------------------|--------------------|--------------|
| API #: | 0403706919 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | DH |
| Operator Name: | Chevron U.S.A. Inc. | Lease Name: | Del Amo |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | SPUD Date: | Not Reported |

A6
ENE
1/2 - 1 Mile

OIL_GAS CAOG13000005713

| | | | |
|------------------------|-----------------------|--------------------|-------------------|
| API #: | 0403706232 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | DH |
| Operator Name: | West American Oil Co. | Lease Name: | Dominguez Estates |
| Field Name: | Any Field | Area Name: | Any Area |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | SPUD Date: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---------|-----------|-----------|
| 90745 | 8 | 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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX E

Site Photographs



Photograph 1. View to the east along northern edge of subject site. The concrete drainage channel can be seen to the north.



Photograph 2. View to the south of subject site. Note commercial buildings.



Photograph 3. View to the north along the western boundary of the subject site. Figueroa street can be seen immediately adjacent.



Photograph 4. View to the northeast of the subject site. South Main Street and residential structures can be seen adjacent to the subject site.



Photograph 5. View to the northwest of the subject site. One of six 2-inch diameter vapor wells can be seen.



Photograph 6. View to the east of the subject site. One of two uncapped 6- to 8-inch metal pipes can be seen.



Photograph 7. View to the northwest of the subject site. Two of six vapor wells can be seen as well as the concrete lined channel to the north.



Photograph 8. View to the east of the subject site. The adjoining property to the south can be seen.

APPENDIX F

User Responsibilities Questionnaire

Attachment II

User Responsibilities Questionnaire All Appropriate Inquiries Under ASTM E1527-13

Date: February 16, 2021

Subject Site Name: Former Gardena Valley 1 and 2 Landfill

Address: 20701-20747 S. Main Street, Carson, CA

In order to qualify for one of the Landowner Liability Protections (LLP) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must conduct "All Appropriate Inquiry" (AAI), which includes consideration of the following information (if available). Though it is not required that this information be provided to the environmental professional for the completion of the ASTM E1527-13 Phase I Environmental Site Assessment, failure of the user to consider this information could result in a determination that AAI is not complete.

(1.) Environmental cleanup liens that are filed or recorded against the subject site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the subject site that are filed or recorded under federal, tribal, state, or local law? If yes, give a description and attach copies of the liens.

No, not aware of any environmental cleanup liens.

(2.) Activity and land use limitations that are in place on the subject site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any Activity and Use Limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the subject site or have been filed or recorded in a registry under federal, tribal, state, or local law?

Yes, aware that there is a land use covenant onsite.

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the user of this Phase I Environmental Site Assessment do you have any specialized knowledge or experience related to the subject site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No, no specialized knowledge or experience

(4.) Relationship of the purchase price to the fair market value of the subject site if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this subject site reasonably reflect the market value of the subject site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject site?

Yes, the purchase price reflects fair market value given what we understand about site conditions.

(5.) Commonly known or reasonably ascertainable information about the subject site (40 CFR 312.30).

Are you aware of commonly known, or reasonably ascertainable information about the subject site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a.) Do you know the past uses of the subject site?

Yes, the site was used as a landfill in the past.

(b.) Do you know the specific chemicals that are present or once were present at the subject site?

No

(c.) Do you know of spills or other chemical releases that have taken place at the subject site?

No

(d.) Do you know of any environmental cleanups that have taken place at the subject site?

No

(6.) The degree of obviousness of the presence or likely presence of contamination at the subject site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of this Phase I Environmental Site Assessment, based on your knowledge and experience related to the subject site are there any obvious indicators that point to the presence or likely presence of contamination at the subject site?

No, the site appears as an empty lot.



Senior Vice President
WPT Acquisitions, LLC

02-17-2021

Signature (User/Authorized Representative)

Title

Date