

INITIAL SITE ASSESSMENT REPORT

Harvard Avenue/Michelson Drive
Intersection Improvement Project
(CIP 311906)
Location: APNs 453-252-03, 453-
251-09
Irvine, Orange Country,
California



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Sign-off Sheet and Signatures of Environmental Professionals

This document entitled INITIAL SITE ASSESSMENT REPORT was prepared by Stantec Consulting Services Inc. (Stantec) for the City of Irvine, Department of Transportation. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I Initial Site Assessment (ISA) have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

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(signature)

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Prepared by 
(signature)

Daniel Law
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I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional (EP) as defined in § 312.10 of 40 Code of Federal Regulations (CFR) 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the proposed Project. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Reviewed and Approved by 
(signature)

Lewis D. Simons
Principal Geologist, PG

Sign-off Sheet and Signatures of Environmental Professionals

Table of Contents

ABBREVIATIONS	I
1.0 INVESTIGATIVE SUMMARY	III
2.0 INTRODUCTION	2.1
2.1 OBJECTIVE.....	2.1
2.2 SCOPE OF WORK	2.2
2.3 SIGNIFICANT DATA GAPS	2.3
3.0 SITE DESCRIPTION	3.1
3.1 LOCATION AND DESCRIPTION	3.1
3.2 PHYSIOGRAPHIC CONDITIONS.....	3.1
3.3 REGIONAL GEOLOGY & HYDROGEOLOGY	3.2
4.0 SITE RECONNAISSANCE	4.1
4.1 OBSERVATIONS WITHIN THE PROPOSED PROJECT	4.2
OBSERVATIONS OUTSIDE THE PROPOSED PROJECT	4.2
4.2 SITE RECONNAISSANCE METHODOLOGY	4.4
4.2.1 General Description	4.5
4.2.2 Hazardous Substances and Petroleum Products.....	4.7
4.2.3 Interior Observations	4.7
4.2.4 Exterior Observations.....	4.7
4.2.5 Underground Storage Tanks (USTs)/Structures.....	4.8
4.2.6 Aboveground Storage Tanks (ASTs)	4.8
4.3 OBSERVATIONS WITHIN ENVIRONMENTAL STUDY AREA OUTSIDE OF THE PROPOSED PROJECT FOOTPRINT	4.9
4.3.1 Adjoining Properties	4.9
4.3.2 Observed Physical Setting.....	4.10
4.4 INTERVIEW	4.10
4.5 USER-PROVIDED INFORMATION	4.10
5.0 NON-SCOPE CONSIDERATIONS	5.1
5.1 POLYCHLORINATED BIPHENYLS (PCBS)	5.1
5.2 LEAD-BASED PAINT (LBP)	5.1
5.3 AERIALY DEPOSITED LEAD (ADL).....	5.1
5.4 ASBESTOS.....	5.1
5.5 SOLID WASTE DISPOSAL.....	5.2
5.6 FERTILIZER/INSECTICIDES	5.2
5.7 RADON	5.2
5.8 FLOOD ZONES	5.3
5.9 WETLANDS.....	5.3
6.0 RECORDS REVIEW	6.1
6.1 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS	6.1
6.1.1 Listing Within the proposed Project Footprint and Environmental Study Area	6.4
6.1.2 RECs Identified for the Project Footprint.....	6.5

INITIAL SITE ASSESSMENT REPORT

6.1.3	RECs Identified for the Environmental Study Area Outside the Project Footprint	6.5
6.1.4	Items of Note for The Project.....	6.6
6.2	LOCAL/REGIONAL ENVIRONMENTAL RECORDS	6.9
6.2.1	Orange County Department of Environmental Health	6.9
6.2.2	Orange County Fire Department.....	6.9
6.2.3	South Coast Air Quality Management District	6.9
6.2.4	City of Irvine.....	6.10
6.2.5	California Department of Toxic Substances Control	6.10
6.2.6	Santa Ana Regional Water Quality Control Board (SARWQCB).....	6.11
7.0	HISTORICAL RECORDS REVIEW.....	7.1
7.1	LAND TITLE RECORDS/DEEDS	7.1
7.2	AERIAL PHOTOGRAPHS	7.1
7.3	CITY DIRECTORIES.....	7.2
7.4	HISTORICAL FIRE INSURANCE MAPS.....	7.11
7.5	HISTORICAL TOPOGRAPHIC MAPS	7.11
7.6	OTHER HISTORICAL SOURCES	7.12
8.0	POTENTIAL FOR VAPOR INTRUSION	8.1
9.0	EVALUATION	9.1
9.1	FINDINGS AND OPINIONS	9.1
9.2	DATA GAPS.....	9.4
9.3	CONCLUSIONS/RECOMMENDATIONS	9.4
10.0	REFERENCES	10.7

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Site Map Showing Environmental Study Area
Figure 3 Construction Plan

LIST OF APPENDICES

APPENDIX A	PHOTOGRAPHS OF THE PROPOSED PROJECT AND VICINITY
APPENDIX B	EDR REPORT
APPENDIX C	AGENCY RECORDS
APPENDIX D	USER PROVIDED RECORDS
APPENDIX E	STANTEC RESUMES

INITIAL SITE ASSESSMENT REPORT

Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos containing material
ADL	Aerially Deposited Lead
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
DWR	Department of Water Resources
EDR	Environmental Data Resources Inc.
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft bgs	Feet below ground surface
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
I	Interstate
IRWD	Irvine Ranch Water District
ISA	Initial Site Assessment
LBP	Lead-based Paint
LUST	Leaking Underground Storage Tank
msl	Mean sea level
NWI	National Wetlands Inventory
OCAPCD	Orange County Air Pollution Control District
OCFD	Orange County Fire Department
Orange County Basin	Coastal Plain of Orange County Water Basin
PCBs	Polychlorinated Biphenyls
pCi/L	PicoCuries per liter of air
Project	Harvard Avenue/Michelson Drive Intersection Improvement Project
REC	Recognized Environmental Conditions
ROW	Right-of-Way
SCE	Southern California Edison
SWRCB	State Water Resources Control Board

INITIAL SITE ASSESSMENT REPORT

TSCA	Toxic Substances Control Board
TPH	Total Petroleum Hydrocarbons
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank

1.0 INVESTIGATIVE SUMMARY

Stantec has completed a Phase I Initial Site Assessment (ISA) of the property located at the Harvard Avenue/ Michelson Drive intersection in Irvine, Orange, County, California, on behalf of the City of Irvine, Department of Transportation (the "Client" or "City"). The work was performed according to Stantec's proposal and terms and conditions dated January 31, 2019, amended on March 1, 2019. The City has been designated as the User of this report. It is Stantec's understanding that the City plans to conduct improvements to the Harvard Avenue/ Michelson Drive intersection by widening of the west sides of south bound Harvard Avenue and the north and south sides of east and west bound Michelson Drive through Buildout (proposed Project).

The Phase I ISA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13 and Title 40 of the Code of Federal Regulations (CFR), Part 312, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any gaps in data identified during the writing of this report are described in Section 9.2.

The Harvard Avenue/ Michelson Drive intersection and all nearby public roadways are owned by the City of Irvine. Approximately 0.027 acres of land will be acquired from 3415 ½ Michelson Drive in parcel number 453-251-09, while 0.016 acres of land will be acquired from 3400 Michelson Drive in parcel number 453-252-03.

The proposed Project, at the intersection Harvard Avenue and Michelson Drive, is located towards the northwestern section of the City of Irvine. This area in the City of Irvine is within a largely built out, urbanized area, and is surrounded by the University Synagogue to the west, Rancho San Joaquin Golf Course to the south, apartment homes to the east, and commercial properties to the north.

The following items of note were identified during this ISA:

- Observed improvements within the proposed Project footprint include subsurface utilities (e.g., communication lines, telecommunication lines, and traffic signal controls) concrete-lined San Diego Creek tie-in drainage system, sewer manholes and sewer lines, storm drainage systems, underground electrical and power lines, an electrical utility meter station and belowground high-pressure Southern California Gas Company gas pipeline.
- A monitoring well (labeled "MP-8") was observed within the Project footprint as shown on Figure 1. Further investigation through Geotracker, the Orange County website, and Irvine Ranch Water District (IRWD) indicated no identification for this monitoring well. Further research is recommended for the identification, ownership and information of this well.
- There is a possibility for the presence of ADL and LBP in the City's roads within proposed Project footprint, Caltrans identifies these compounds as potential chemicals of concern.

INITIAL SITE ASSESSMENT REPORT

- The area within the environmental study area consists of developed land for commercial and residential use. However, there is a possibility for the presence of weed abatement activities and herbicides constituents, based on historical and current land use of property adjacent to the Proposed Project Footprint.
- Stantec observed utility signage markings outside the proposed Project footprint during the field reconnaissance visit indicative that several underground utilities may traverse the Proposed Project footprint.

No Recognized Environmental Conditions were identified within the proposed Project footprint.

Based on the completion of this ISA, Stantec recommends the completion of a Phase II Environmental Site Assessment (Phase II ESA) in the Proposed ROW areas of the Project. The preceding summary is intended for informational purposes only. Reading of the full body of the report is recommended.

INITIAL SITE ASSESSMENT REPORT

INTRODUCTION

December 17, 2019

2.0 INTRODUCTION

This Initial Site Assessment (ISA) was prepared on behalf of the City of Irvine, Department of Transportation, to support the proposed Harvard Avenue and Michelson Drive Intersection Improvement Project located in Irvine, Orange County, California (Figure 1). This ISA addresses an area within the proposed Project footprint and an environmental study area extending 0.5 miles around the proposed Project.

The proposed Project involves the widening of the west sides of south bound Harvard Avenue and the north and south sides of east and west bound Michelson Drive through Buildout (proposed Project). Minor acquisition of existing City of Irvine and private property in order to accommodate the new proposed Project footprint design. Approximately 0.027 acres of land will be acquired from 3415 ½ Michelson Drive in parcel number 453-251-09, while 0.016 acres of land will be acquired from 3400 Michelson Drive in parcel number 453-252-03.

2.1 OBJECTIVE

This ISA was performed in accordance with the practices identified in the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E1527-13 and Title 40 of the Code of Federal Regulations (CFR), Part 312, which specifies standards and practices for “all appropriate inquiries” (AAI) required for persons seeking to establish certain defenses to or protections from liability under the Federal Comprehensive Environmental Response, Cleanup and Liability Act (CERCLA). The Federal rule 40 CFR 312.11 (a) identifies a Phase I Environmental Site Assessment (ESA) completed in accordance with the E1527-13 practice as one way to achieve compliance with requirements of the AAI rule.

The objective of this ISA was to identify Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs) or Historical Recognized Environmental Conditions (HRECs), as defined under ASTM E-1527-13.

The term “recognized environmental conditions” means 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.

ASTM defines a “HREC” as a REC that has occurred in connection with the property, but has been addressed to the satisfaction of the applicable regulatory authority and meets 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

INITIAL SITE ASSESSMENT REPORT

INTRODUCTION

December 17, 2019

engineering controls). Before calling the past release a HREC, the Environmental Professional (EP) must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

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

De minimis conditions are not RECs. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. As indicated, the term REC does not include *de minimis* conditions, which generally do not present a material risk to human health and would not likely be subject to enforcement action if brought to the attention of governmental agencies.

2.2 SCOPE OF WORK

The scope of work was performed in accordance with the general conditions and requirements outlined in Exhibit C of the City of Irvine's Addendum NO.1 RFP Number G1-19-1496 requirements and California Department of Transportation guidelines for ISA. Individual elements include, but not limited to:

- Review of project construction plans and aerial photos;
- Reconnaissance of properties from the public right of ways (ROWs) within the study limits indicated on Figure 1.
- Review of government databases and Environmental Data resources, Inc. (EDR) documentation;
- Review of historical Sanborn Fire Insurance maps;
- Review of historical aerial photograph;
- Review of pertinent environmental and responsible agency information for properties identified as RECs within the proposed Project;
- Development of a report describing the findings, results and conclusions/recommendations of this ISA; and,
- Completion of a user questionnaire

The scope of work did not include:

- Review of title reports for properties in the study area.

INITIAL SITE ASSESSMENT REPORT

INTRODUCTION

December 17, 2019

In addition to the above, the scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the proposed Project (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the proposed Project and its relationship to current fair market value. The conclusions presented in this ISA Report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or EP is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

- (1) Information that is publicly available;
- (2) Information that is obtainable from its source within reasonable time and cost constraints;
and
- (3) Information that is practicably reviewable.

2.3 SIGNIFICANT DATA GAPS

Significant data gaps as defined in the AAI final rule and ASTM E 1527-13 standard include missing or unattainable information that may impact the identification of releases or contamination on the subject property such as the lack of response from agencies or the user of the report failing to provide relevant information. No significant data gaps were identified from the completion of this assessment.

INITIAL SITE ASSESSMENT REPORT

SITE DESCRIPTION
December 17, 2019

3.0 SITE DESCRIPTION

3.1 LOCATION AND DESCRIPTION

The environmental study area (ESA) is located within Orange County, CA. Specifically, the environmental study area is the intersection of Harvard Avenue and Michelson Drive in the southwest portion of the City of Irvine. The approximate limits of the study area are the Interstate (I)- 405 to the north, University Synagogue and San Joaquin Golf Course to the south, San Diego Creek to the west, and San Joaquin Channel to the east (Figures 2 and 3).

The project proposes the widening of the west sides of south bound Harvard Avenue and the north and south sides of east and west bound Michelson Drive through Buildout. To accommodate the new roadway design, minor acquisition is required of existing City of Irvine and private properties. Approximately 0.027 acres of land will be acquired from 3415 ½ Michelson Drive in parcel number 453-251-09, while 0.016 acres of land will be acquired from 3400 Michelson Drive in parcel number 453-252-03.

A location map is illustrated on Figure 1. Maps illustrating the ESA and proposed Project are provided as Figures 2 and 3; respectively. Photographs taken during the site reconnaissance visit are provided in Appendix A.

3.2 PHYSIOGRAPHIC CONDITIONS

A summary of the physical settings of the proposed Project are provided in the table below with additional details in the following subsections.

Topography:	TP, USGS Tustin 7.5 Minute topographic quadrangle.
Soil/Bedrock Data:	According to Environmental Data Resources Inc. (EDR), nearby soils consist of predominately clay, silty clay loam, clay loam, fine sandy loam, and sandy loams. GeoTracker: Soil reports or boring logs from the vicinity indicated silty sands, sandy silts, sand, and silt to depths of 40 feet below ground surface (ft bgs).
Estimated Depth to Groundwater/ Estimated Direction of Gradient:	Based on information presented on the State Water Resources Control Board (SWRCB) GeoTracker online database, it is estimated that depth to groundwater ranges from 9 – 116 ft bgs. The groundwater gradient is expected to be towards the southwest
<i>Note: Site-specific groundwater direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.</i>	

INITIAL SITE ASSESSMENT REPORT

SITE DESCRIPTION
December 17, 2019

The proposed Project Site is located at an elevation of approximately 34 feet above mean sea level (ft amsl). Based on the topography and existing surface conditions, surface water flows towards the San Joaquin Channel concrete-lined flood control channel located to the southeast of Harvard Avenue.

The proposed Project, at the intersection Harvard Avenue and Michelson Drive, is located towards the northwestern section of the City of Irvine. This area in the City of Irvine is within a largely built out, urbanized area, and is surrounded by the University Synagogue to the west, Rancho San Joaquin Golf Course to the south, apartment homes to the east, and commercial properties to the north. The environmental study area is mostly surrounded with commercial and residential developments, with some native and roadside vegetation.

3.3 REGIONAL GEOLOGY & HYDROGEOLOGY

According to the Department of Water Resources' (DWR) Bulletin 118, the proposed Project is located within the southeastern section of the Coastal Plain of Orange County Water Basin (Orange County Basin) which occupies approximately 350 square miles of the Santa Ana River Watershed. The Orange County Basin is bounded on the northwest by the Los Angeles County-Orange County line, bounded to the east by the Santa Ana Mountains and San Joaquin Hills, and bounded to the southwest by the Pacific Ocean. Water bearing formations of the Orange County basin include alluvium breaks and a deep structural depression of a thick accumulation of interbedded marine and continental sand, silt, and clay deposits (DWR 2018). Surface water recharge happens rapidly through coarser sediments deposits which are found farther away from the coastline. The folded and faulted strata within the basin show rapid transitions in sediment size. Surface water recharge to the Orange County Basin comes from the Santa Ana River flow, through infiltrations and injection into wells. The Newport-Inglewood fault-zone, Whittier fault-zone, and Norwalk fault are all zone that impede groundwater flow in this basin. Permeable alluvium breaks in erosional channels at the Newport-Inglewood fault zone, which parallels the Pacific coast and typically forms a groundwater flow barrier, create a break allowing for saltwater to flow inland. The San Joaquin Channel, located 150 feet to the southeast of the proposed Project, provides drainage from the Newport Watershed and flows to the southwest into the Upper Newport Bay which empties into the Pacific Ocean.

Hydrogeology:

Per Federal Emergency Management Act (FEMA) records researched by EDR (Appendix B), the Project Footprint is located within a 1% annual chance flood hazard flood zone. Groundwater is anticipated to flow west to northwest. Approximate depths to groundwater were not reported by EDR. The GeoTracker website reported depth to groundwater in the vicinity of the proposed Project to be approximately 16 ft bgs based on a remediation / groundwater monitoring log at a site located at 18002 Culver Drive, which is approximately 2100 feet to the east. The EDR report containing the well information is included in Appendix C.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

4.0 SITE RECONNAISSANCE

A reconnaissance of the Environmental Study areas (ESA) was performed by Ms. Emily Medler and Mr. Anthony Aguilar on November 19, 2019. In accordance with the City's and Caltrans directive, reconnaissance of private properties was limited to observations made from the public ROW. Weather was favorable at the time of the reconnaissance and no weather-related restrictions were encountered.

The purpose of the reconnaissance was to assess, within the limitations described above, potential environmental conditions within the study area. Such conditions, to the extent visible and accessible, included an evaluation for the potential storage, disposal, and treatment of solid and/or hazardous materials, storage tanks and other chemical containers, odors, pools of liquid, staining, drains, sumps, pits, ponds, lagoons, septic systems, wells, unusual soil disturbance, stressed vegetation, and electrical transformers. Photographs of the Site are included in Appendix A.

Items of Note inside the Project Footprint:

Observed improvements within the proposed Project footprint include subsurface utilities (e.g., communication lines, telecommunication lines, and traffic signal controls) concrete-lined San Joaquin Creek Channel drainage system, IRWD sewer manholes and sewer lines, storm drainage systems, underground electrical and power lines, an electrical utility meter station and belowground high-pressure Southern California Gas Company gas pipeline.

A monitoring well (labeled "MP-8") was observed within the Project footprint as shown on Figure 1. Further investigation through Geotracker, the Orange County website, and Irvine Ranch Water District (IRWD) indicated no identification for this monitoring well. Further research is recommended for the identification, ownership and information of this well.

There is a possibility for the presence of ADL and LBP in the proposed Project footprint, Caltrans identifies these compounds as potential chemicals of concern.

The historical and current land use of property within the Project footprint may indicate the possibility of the presence of weed abatement activities and herbicide constituents.

Items of Note outside the Project Footprint:

The area within the ESA consists of developed land for commercial, open space, and residential use. However, there is a possibility for the presence of weed abatement activities and herbicides constituents, based on historical and current land use of property adjacent to the Proposed Project Footprint.

Stantec observed utility signage and USA markings outside the proposed Project footprint during the field reconnaissance visit indicative that several underground utilities may traverse the Proposed Project footprint.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

Similar to within the proposed Project footprint, there is a possibility for the presence of ADL and LBP outside the Project footprint within the 0.5-mile radius ESA. Caltrans identifies these compounds as potential chemicals of concern.

RECs:

No REC's were identified outside or within the proposed Project footprint.

4.1 OBSERVATIONS WITHIN THE PROPOSED PROJECT

The area within the proposed Project is developed with commercial, residential, religious, and open space land uses. Of the above-mentioned improvements, the following exist on, or cross the proposed Project:

- Signage;
- An unidentifiable monitoring well, labelled as "MP-8;"
- Belowground utilities (e.g., communication transmission lines; high voltage power transmission lines; telecommunication lines from various companies including, but not limited to: Pacific Bell, Edison, AT&T);
- Drainage culverts, sewer access points/lines, and storm drains;
- An electrical utility meter station;
- High-pressure natural gas pipelines (belowground);
- IRWD manhole covers and associated water distribution lines;
- Electrical and telecommunication lines (possibly fiber optic, underground);
- Roadside vegetation, Eucalyptus trees, and other plants/shrubs; and
- A concrete lined San Joaquin Channel, flowing to the south of the proposed Project in the direction of the San Joaquin Marsh.

OBSERVATIONS OUTSIDE THE PROPOSED PROJECT

The following properties and/or structures were observed within the ESA, but outside the proposed Project footprint, as labeled on Figure 2.

RECs:

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

No REC's were identified outside the proposed Project footprint within a half mile radius.

ITEMS OF NOTE:

Based on review of the EDR well report (Appendix B), there are no water wells located within the ESA. However, the EDR indicated one United States Geological Survey (USGS) well 50.18 feet bgs and one State well (depth not indicated). Both wells are located on the adjacent Rancho San Joaquin golf Course property. Based on information from EDR, the two water wells are mapped outside of the proposed Project footprint. During the field reconnaissance, additional infrastructure and valves were observed near the boundaries of the proposed Project but outside of the proposed Project footprint.

Boomers! (3405 Michelson Drive), a national amusement center chain, is located in the northwest corner of APN: 453-251-09, but not on the project footprint. This site is listed in the EDR database as: CERS HAZ WASTE and CERS; listed in CERS HAZ WASTE as a hazardous waste generator; and listed in CERS as a chemical storage facility. In 2017, the site had a violation for failure to keep a copy of each signed manifest for at least three years from the date the waste was accepted by the initial transporter. The records for the removal of the facility's hazardous waste were not available for inspection. Failure to maintain hazardous waste removal records for 3 years from the date of removal and submit a copy set for facility's hazardous waste removal, which was returned to compliance on 05/30/2018. The site met the qualification of the local agency with no violations found as of 10/05/2018 and is not considered to represent a concern for the Proposed Project.

Associated with the Michelson Wastewater Reclamation Plant property, a water reclamation site was observed to the southwest of the proposed Project. Listed in the ERD database as: HIST UST, CHMIRS, DRYCLEANERS, EMI, LUST, HAZNET, NPDES, CIWQA, CERS, CERS HAZ WASTE, CA FIS UST, CERS TANKS, HIST CORTESE, UST, AST, SWEEPS UST, ENF, RCRA-LQG, and FINDS. Several tanks were noted for the property containing unleaded gasoline, waste oil, and diesel. This site was listed in the GeoTracker database and has a case closed as of 05/14/2004 with diesel and gasoline listed as the potential contaminant of concern and the potential media of concern being soil. In 2003, one 5,000-gallon diesel underground storage tank (UST) and one 10,000-gallon UST along with its piping were removed. Contamination was detected in soil samples obtained during the UST's removal. Hand augured samples and soil borings were then conducted to determine the plumes extent. Remedial excavation was conducted to 21 ft. bgs to remove contaminated soils. The laboratory analysis of the soil samples was non-detect for diesel and gasoline contamination. During the excavation process, groundwater was not encountered. A direct push drill rig installed eight temporary ground water monitoring wells to determine groundwater contamination. Groundwater was encountered at 30ft bgs. The temporary wells could not produce an adequate amount of water for the total petroleum hydrocarbons (TPH)-diesel analysis, however, the laboratory analysis of the groundwater samples by EPA laboratory method 8260 for TPH-g, benzene, toluene, ethylbenzene, total xylenes and all fuel oxygenates was conducted. The laboratory analysis of all groundwater samples was non-detect for contamination. The site met the qualification of the local and regional agencies for a case closure and is not considered to represent a concern for the Proposed Project.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

The adjacent property, Rancho San Joaquin Golf Course, was previously the Land Road landfill from 1961 to 1964. Listed in the ERD database as SWF/LF and CERS. This site was listed in the GeoTracker database and has a case closed as of 11/30/2013 with vinyl chloride listed as the potential contaminant of concern and the potential media of concern being an aquifer used for drinking water. The landfill has since been closed and operated as the Rancho San Joaquin Golf Course from 1964 to present. The golf course/former landfill is not considered to represent a concern for the Proposed Project.

A percolation tank for irrigation purposes was also observed on the Shir Ha-Ma'alot (3652 Michelson Drive) property adjacent to the Project footprint, observed during the site reconnaissance. The tank does not represent a concern for the Proposed Project.

Utilities and Infrastructure

Observed improvements along the proposed Project include signage, belowground utilities (e.g., communication transmission lines and high voltage power transmission lines), concrete-lined San Joaquin drainage channel operated by IRWD, drainage culverts, sewer access points/lines, and storm drains, an electrical utility meter station, a high-pressure natural gas pipeline (belowground), sewer manholes and sewer lines, and underground electrical and telecommunication lines (possibly fiber optic).

Based on review of the EDR well report (Appendix B), there are two water wells (state well and USGS well) located within the ESA. Based on information from EDR, the two water wells (state well and USGS well) are mapped outside of the proposed Project footprint, on the adjacent Rancho San Joaquin Golf Course property. During the field reconnaissance, these wells were not observed, nor was any additional infrastructure. All utilities should be mapped and clearly marked prior to the implementation of any widening construction activities.

Stormwater Impacts

Stormwater runoff from Harvard Drive and Michelson Avenue flow towards the south-southwest, across Michelson Drive, and to the west into the San Diego Creek or east into the San Joaquin Channel drainage channel. Impacted stormwater runoff (oil and grease from the road) flows towards the proposed Project located at the intersection of Harvard Avenue and Michelson Drive and into drainage culverts and San Joaquin Channel drainage channel. Constituents of concern (e.g., oil and grease) related to stormwater runoff may be present within shallow soils located within the Project footprint.

4.2 SITE RECONNAISSANCE METHODOLOGY

The proposed Project reconnaissance focused on observation of current conditions and observable indications of past uses and conditions that may indicate the presence of RECs. The proposed Project reconnaissance was conducted on foot and Stantec utilized the following methodology:

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

- Traverse the outer proposed Project boundary.
- Traverse transects across the proposed Project area.
- Traverse the periphery of all structures on the proposed Project area.
- Reconnaissance of private property was limited to observations made from the public ROW.

Weather conditions during the visit to the proposed Project were slightly overcast. There were no weather-related access restrictions encountered during the reconnaissance visit.

4.2.1 General Description

Proposed Project and Area Description:	The construction of the proposed Project consists of the widening of the west side of the south bound Harvard Avenue and the north and south sides of east and west bound Michelson Drive, through buildout. Minor acquisition is required of existing City of Irvine and private properties. Approximately 0.027 acres of land will be acquired from 3415 ½ Michelson Drive in parcel number 453-251-09, while 0.016 acres of land will be acquired from 3400 Michelson Drive in parcel number 453-252-03. The area within the proposed Project footprint is predominantly developed land, religious and residentially used land, parking, city streets, and open space.
Operations at the proposed Project	The proposed Project encompasses segments along Harvard Avenue and Michelson Drive that include utility corridors and nearby improved developments that include the Park West Apartment Homes and San Joaquin Channel to the east, Irvine Lanes and Boomers! to the north, University Synagogue to the west, and the Rancho San Joaquin Golf Course to the south of the widening project.
Structures, Roads, Other Improvements:	The proposed Project is bound to the north and west by commercial and religious properties (Irvine Lanes, Boomers and the University Synagogue; to the south by recreationally used land (Rancho San Joaquin Golf Course); and to the east by residential properties (Park West Apartment Homes). Other improvements within the proposed Project include: signage, belowground utilities (e.g., communication transmission lines and high voltage power transmission lines), drainage culverts, sewer access points/lines, storm drains, an electrical utility meter station, high-pressure natural gas pipeline (belowground), Irvine Ranch Water District manhole covers and associated lines, electrical and telecommunication lines (possibly fiber optic, underground), and large trees and other plants/shrubs.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

Estimated % of proposed Project footprint Covered by Buildings and/or Pavement:	The proposed Project consists of an estimated 95% coverage of concrete-paved sidewalks and asphalt paved roadway surfaces with some roadside vegetation.
Observed Current proposed Project footprint Use/Operations:	Portions of the proposed Project located on the western side of Harvard Avenue are on land which is utilized as landscaping and public ROW.
Observed Evidence of Past proposed Project footprint Use(s):	None.
Sewage Disposal Method (and age):	IRWD Sewer manhole covers were observed during the field reconnaissance on the southwestern side of Michelson Drive, adjacent to the University Synagogue and the Rancho San Joaquin Golf Course. No markings for sewer lines were observed. No land uses capable of generating sewage are proposed.
Potable Water Source:	None observed.
Electric Utility:	Markings and covers for underground electrical lines were observed for Southern California Edison.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

4.2.2 Hazardous Substances and Petroleum Products

The following table summarizes Stantec's observations during the proposed Project reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
Polychlorinated Biphenyl (PCB)-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

4.2.3 Interior Observations

The area within the proposed Project is developed land for roadways and traffic with surrounding areas for religiously, open space, and residentially used land. As such, no interior observations were made during the site reconnaissance visit.

4.2.4 Exterior Observations

Stantec made the following observations during the site reconnaissance of exterior areas of the proposed Project and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	None observed.
Solid Waste Disposal:	No areas indicative of solid waste disposal was observed during the site reconnaissance conducted by Stantec on November 19 th 2019

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

Observations	Description
Potential Areas of Fill Placement:	Landscaped slope areas along southbound Harvard Avenue. Fill will need to be placed in order to accommodate the change in elevation to connect with the bridge over the I-405.
Wastewater:	No exterior wastewater discharge was observed.
Stormwater:	Although conditions were dry at the time of the site reconnaissance conducted by Stantec on November 19, 2019, stormwater runoff from Harvard Avenue and areas northeast of Harvard Avenue flow towards the south along Harvard Avenue, into the San Joaquin drainage channel. Constituents of concern (e.g., oil and grease) related to stormwater runoff may be present within shallow soils located in the proposed Project footprint.
Wells:	Unknown well MP-8 was observed.
Septic Systems:	No visible evidence of the existence of a septic system was observed.
Other Exterior Observations:	None.

4.2.5 Underground Storage Tanks (USTs)/Structures

Existing USTs:	None observed
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ISA.
Other Underground Structures:	None observed.

4.2.6 Aboveground Storage Tanks (ASTs)

Existing ASTs:	None observed.
Former ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), reports, or other evidence of the former presence of ASTs was discovered at the proposed Project during this Phase I ISA.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

4.3 OBSERVATIONS WITHIN ENVIRONMENTAL STUDY AREA OUTSIDE OF THE PROPOSED PROJECT FOOTPRINT

4.3.1 Adjoining Properties

4.3.1.1 Current Uses of Adjoining Properties

As viewed from the Project footprint and/or from public ROW, Stantec made the following observations about use and activities on adjoining properties:

NORTH	The adjacent area to the north consists of Irvine Lanes bowling alley and Boomers! Amusement center. Further north of these facilities is Interstate 405.
SOUTH	The adjacent area to the south consists of San Joaquin Channel drainage channel and the Ranch San Joaquin Golf Course.
EAST	The adjacent site to the east is the San Joaquin Channel drainage channel flowing south, directly between Harvard Avenue and Park West Apartment Homes.
WEST	The adjacent site to the west is developed as the University Synagogue and San Diego Creek/San Joaquin Marsh open space area.

4.3.1.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	None observed.

4.3.1.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Project footprint and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

NORTH	None observed.
SOUTH	None observed.
EAST	None observed.
WEST	San Diego Creek/San Joaquin Marsh open space area observed to the west, southwest of the proposed Project footprint.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

4.3.2 Observed Physical Setting

Topography of the Proposed ROW and Surrounding Area:	The proposed Project and surrounding areas have a general topographic gradient trending to the south.
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4.4 INTERVIEW

As the proposed Project consist predominantly of public ROWs and active roadways, interviews were not conducted during the field assessment.

4.5 USER-PROVIDED INFORMATION

ASTM 1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of "All Appropriate Inquiries" into the Project footprint. The ASTM standard requires that the Environmental Professional (EP) request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or de minimis conditions in connection with the proposed Project. Towards that end, Stantec requested that the User provide the following documents and information:

Description of Information	Provided (Yes/No)	Description and/or Key Findings
User Questionnaire	Yes	<p>A user provided questionnaire was provided to the City of Irvine. On November 25, 2019 a response provided the following information:</p> <ol style="list-style-type: none">1. Environmental Impact Report for Irvine Business Complex (IBC) Vision Plan, March 2009<ul style="list-style-type: none">- Identified impact at Harvard and Michelson.- City Council Resolution No. 10-79, approved July 13, 2010.2. Environmental Study/Initial Study for Amendment to the Circulation Element of the Irvine General Plan, October 1997.<ul style="list-style-type: none">- Reclassify Harvard Avenue (from Michelson Drive to University Drive) from a Four-Lane Primary Highway to a Two-Lane Commuter Highway.

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

Description of Information	Provided (Yes/No)	Description and/or Key Findings
		<ul style="list-style-type: none"> - City Council Resolution No. 98-15, Negative Declaration and Approving General Plan Amendment 30998-GA. Approved February 10, 1998. 3. Environmental Impact Report for Planning Area 12 Zone Change 11770-ZC, 1994 <ul style="list-style-type: none"> - Impact identified at Michelson Drive between Culver Drive and Harvard Avenue. - City Council Resolution No. 94-111, approved June 28, 1994. 4. Environmental Impact Report for General Plan Amendment 16, May 1989 <ul style="list-style-type: none"> - Resolution: "20-27 Harvard Avenue through Planning Area 14 (Westpark) will not be widened." - City Council Resolution No. 89-143, approved October 24, 1989. 5. Environmental Impact Report for General Plan Amendment 32, 1985 <ul style="list-style-type: none"> - Impact identified on Harvard Avenue from Michelson Drive to Main Street - City Council Resolution No. 85-69, approved June 11, 1985. <p>No Environmental Studies were obtained relating to the construction of Harvard Avenue and Michelson Intersection or roadways.</p>
Environmental Liens or Activity Use Limitations	No	A title report was not provided or obtained as part of the scope of work.
Purpose of the Phase I ISA	Yes	Facilitate with proposed Project improvements of north and south bound

INITIAL SITE ASSESSMENT REPORT

SITE RECONNAISSANCE
December 17, 2019

Description of Information	Provided (Yes/ No)	Description and/or Key Findings
		Harvard Avenue and east and west bound Michelson Drive.

INITIAL SITE ASSESSMENT REPORT

NON-SCOPE CONSIDERATIONS
December 17, 2019

5.0 NON-SCOPE CONSIDERATIONS

The scope of work completed was limited solely to those items in the ASTM 1527-13 standard. No ASTM 1527-13 non-scope services were performed as part of this Phase I ISA.

5.1 POLYCHLORINATED BIPHENYLS (PCBS)

Electrical transformers, hydraulic equipment capacitors, fluorescent light fixtures, and similar equipment may contain PCBs in the hydraulic fluids or dielectric insulating fluids within the units. The federal Toxic Substances Control Act (TSCA) generally prohibited the domestic manufacture of PCBs after 1979. There is, however, potential that the dielectric fluid in electrical and hydraulic equipment manufactured and constructed prior to that date contains PCBs.

No pad-mounted or pole-mounted electrical transformers associated with power lines were observed within the proposed Project.

5.2 LEAD-BASED PAINT (LBP)

Lead is a pliable, soft metal that is used in the construction of pipes, rods, and containers. Before 1978, lead was a common ingredient in paint because it added strength, shine and extended the life of the paint. In 1978, the Environmental Protection Agency (EPA) banned the use of lead pigments in paints used on interior and exterior residential surfaces. Lead poisoning can result from children having access to, and ingestion (by chewing) of lead-based paint covered surfaces. Inhalation of dust produced by normal oxidation or scraping/sandblasting of the paint, which may contain significant amounts of lead, is also a health hazard. The EPA and the Housing and Urban Development Department (EPA/HUD) action level for LBP is 0.5% dry weight. The original scope of services did not include an assessment of LBP at the proposed Project.

It is possible that lead-based paint was used historically in lane striping paint along the existing Harvard Avenue and Michelson Drive roadways. Caltrans identifies this as a potential chemical of concern.

5.3 AERIALLY DEPOSITED LEAD (ADL)

No former reports were provided with regards to ADL present within the proposed Project. However, ADL is likely to be present in the proposed Project, within City roads and I-405, within the soil, Caltrans identifies ADL as a potential chemical of concern.

5.4 ASBESTOS

Asbestos is a common term for a group of naturally occurring mineral fibers. Due to its durability and insulating quality, it was used in a wide variety of building products including structural fireproofing, pipe and duct insulation, plasters, roofing, floor tile, and linoleum. Adverse health effects have been associated with the inhalation of airborne asbestos fibers. The asbestos fibers

INITIAL SITE ASSESSMENT REPORT

NON-SCOPE CONSIDERATIONS

December 17, 2019

that are tightly bound in building materials, however, do not represent an exposure hazard unless disturbed in such a way as to release airborne fibers (i.e., cutting, drilling, or sanding).

Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content. Samples of suspect asbestos containing material (ACM) should be collected for laboratory analysis of asbestos prior to any construction activities, to determine the need for compliance with EPA National Emission Standard for Hazardous Air Pollutants (NESHAPs) regulations. The proposed Project improvements does not appear to impact any built structures; however, existing guardrails (or bridges) may contain suspect ACMs (such as shims, or adhesives, etc.) and should be tested (if present) for disposal characterization and worker protection.

5.5 SOLID WASTE DISPOSAL

Historically, earth work was seen in an adjacent property of what was previously Land Road landfill in 1964. The landfill has since been closed and operated as the Rancho San Joaquin Golf Course. There are no potential impacts associated with solid waste disposal within the proposed Project.

5.6 FERTILIZER/INSECTICIDES

Although no surface staining or discolored soils were observed during the site reconnaissance visit in the ESA, there is a possibility for the presence of herbicides and weed abatement activities. The historical agricultural use of land adjacent to the Project footprint and land adjacent may result in the presence of fertilizers/ herbicide chemicals in soil in the Proposed footprint of the widening project.

5.7 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 PicoCuries per liter of air (pCi/L) for residential properties. Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is primarily associated with its rate of accumulation within confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure. The radon concentrations in buildings and homes depend on many factors, including soil types, temperature, barometric pressure, and building construction (EPA, 1993).

Stantec reviewed regional data published by the EPA (<http://www.epa.gov/radon/zonemap.html>) on average indoor radon concentrations in the vicinity of the proposed Project.

EPA Radon Zones (w/Average Measured Indoor Radon concentrations)		
Zone 1 – High (>4.0 pCi/L)	Zone 2 – Moderate (2 to 4 pCi/L)	Zone 3 – Low (<2 pCi/L)
Normally occupied sub grade areas (i.e. basement apartments, offices, stores, etc.)?		

INITIAL SITE ASSESSMENT REPORT

NON-SCOPE CONSIDERATIONS

December 17, 2019

No subgrade areas occupied by personnel were observed during the site visit.
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The proposed Project is in Zone 2 and is considered to have moderate potential for radon. Due to the lack of buildings within the proposed Project footprint, a radon survey does not need to be conducted.

5.8 FLOOD ZONES

According to the Physical Setting summary portion of the EDR report, the proposed Project is located within a 100-year flood plain. Stantec also searched the Federal Emergency Management Agency (FEMA) flood plain map service (FEMA, 2019) according to which, the proposed Project is located within a 100-year flood zone. The nearest surface water is the San Joaquin Channel, located approximately 125 feet to the east of the center of the intersection in the proposed Project footprint.

5.9 WETLANDS

Wetlands cannot be definitively identified through visual observation alone. Defensible wetland delineations require taxonomic classification of property vegetation, an investigation into the surface and subsurface hydrology of the property, and identification of hydric soils. This level of delineation is outside of the scope of work for this assessment. However, Stantec reviewed US Fish and Wildlife Service National Wetland Inventory (NWI) maps and readily available United States Department of Agriculture (USDA) Soil Survey reports. Information from these sources is summarized below.

Potential Wetlands Observed on proposed Project footprint:	Wetland area observed adjacent to, but outside of the proposed Project footprint.
New Development Planned for proposed Project footprint:	New development entails sidewalks and additional shared use pathways.

INITIAL SITE ASSESSMENT REPORT

NON-SCOPE CONSIDERATIONS
December 17, 2019

Wetland Inventory Maps

Map Quadrangle Name	Tustin
Wetlands Depicted on proposed Project footprint:	According to EDR and NWI, the drainages located along the proposed Project are listed on the NWI. The 0.58-acre San Joaquin Channel is considered a Riverine habitat.
Wetlands Depicted on Adjoining Properties	According to EDR and NWI, the San Joaquin Marsh located approximately 0.35 miles to the west of the proposed Project is land listed on the NWI, classified as a freshwater forested/shrub, freshwater pond, and freshwater emergent wetland area. The San Joaquin Marsh encompasses approximately 84.28 acres.

Soil Survey Data

Soil Survey Report Name and Date:	STATSGO: State Soil Geographic Database.
Hydric Soils Depicted in proposed Project Vicinity:	The proposed Project is within Omni Clay, drained description. Hydric soils are identified within the project footprint

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

6.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the proposed Project and surrounding area, to evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions about the proposed Project. During the review of historical records, Stantec attempted to identify uses of the properties near and within the proposed Project, from the present to the Properties first developed use. Stantec's research included the reasonably ascertainable and useful records described in this section. Stantec has reviewed the Geotracker and EDR online database files. Stantec sent responses to agencies listed in Section 5.2 on November 25, 2019 and as of the completion of this report have received responses from the City of Irvine and South Coast Air Quality Management District. Based on the proposed project and the scope of grading and shallow excavation additional files reviews were not conducted.

6.1 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

Stantec evaluated the information listed within the database relative to potential impact to the proposed Project, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the proposed Project. Observations about the proposed Project footprint and surrounding properties made during the site reconnaissance are provided in more detail in section 5.

EDR was contracted to review databases maintained by various federal and state environmental agencies. The purpose of the review was to identify reported listings for the Proposed ROWs or other properties in the vicinity. Stantec used the address of the intersection: Harvard Avenue and Michelson Drive for records searches where a physical address was required. The reviewed databases included federal and state lists of known or suspected contaminated sites, known handlers or generators of hazardous waste, known waste disposal facilities, and permitted underground storage tanks. The databases which were researched and the searched distances (radially) for each database, if applicable, include the following:

Federal ASTM Standard

- NPL, US EPA: National Priorities List, a listing of Federal Superfund sites, one mile.
- Proposed NPL, US EPA: Proposed National Priorities List, a listing of Proposed Superfund sites, one mile.
- CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System, a listing of potentially hazardous waste sites that have been reported to the US EPA, one-half mile.
- CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned, a listing of CERCLIS sites where no contamination was found, contamination was removed quickly, or contamination was not serious enough for NPL consideration, one-quarter mile.
- CORRACTS: Corrective Action Report identifies hazardous waste handlers with RCRA corrective action activity, one mile.

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

- RCRA: Resource Conservation and Recovery Information System includes selective information on sites which generate, transport, store or treat hazardous waste as defined by the RCRA act. Large quantity generators (LQG), one-quarter mile; small quantity generators (SQG), one-quarter mile; treat, store, or disposal sites (TSD), one-half mile.
- ERNS: Emergency Response Notification System includes information on reported releases of oil and hazardous substances, target property only.

State ASTM Standard

- AWP: Annual Workplan Sites, a listing of known hazardous waste sites, one mile.
- CAL-SITES: The CAL-SITES database contains potential or confirmed hazardous substance release properties, one mile.
- CHMIRS: California Hazardous Material Incident Report System contains information on reported hazardous material incidents (accidental releases or spills), target property only.
- CORTESE: Hazardous Waste and Substances Sites List. The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF) and the Department of Toxic Substances Control (Cal-Sites), one-half mile.
- NOTIFY 65: Proposition 65 Records contains facility notifications about any release which could impact drinking water, one mile.
- TOXIC PITS: Toxic Pits Cleanup Act identifies sites suspected of containing hazardous substances where cleanup has not yet been completed, one mile.
- SWF/LF (SWIS): Solid Waste Land Fill Information System database consists of active, closed and inactive landfills, one-half mile.
- WMUDS/SWAT: Waste Management Unit Database includes program tracking and inventory of waste management units, one-half mile.
- LUST: Leaking Underground Storage Tank, this listing contains an inventory of reported leaking underground storage tank incidents, one-half mile.
- CA BOND EXP. PLAN: Bond expenditure plan is a site-specific expenditure plan for appropriation of Hazardous Substance Cleanup Bond Act funds, one mile.
- UST: Underground Storage Tanks. Active UST facilities gathered from local regulatory agencies, one-quarter mile.
- VCP: Voluntary cleanup program properties. Contains low threat level properties with either confirmed or unconfirmed releases, one-half mile.
- INDIAN LUST: Leaking Underground Storage Tanks on Indian land, one-half mile.
- INDIAN UST: Underground Storage Tanks on Indian land, one-quarter mile.
- CA FID UST: Facility Inventory Database contains active and inactive underground storage tank locations, one-quarter mile.
- HIST UST: Hazardous Substance Storage Container Database, a historical listing of UST sites, one-quarter mile.

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

Federal ASTM Supplemental

- CONSENT: Superfund (CERCLA) Consent Decrees, a listing of major legal settlements that establish responsibility and standards for cleanup at Superfund sites, one mile.
- ROD: Records of Decision documents mandate a permanent remedy at a Superfund site containing technical and health information to aid in the cleanup, one mile.
- DELISTED NPL: National Priority List Deletions, NPL sites may be deleted where no further response is appropriate, one mile.
- FINDS: Facility Index System contains both facility information and 'pointers' to other sources that contain more detail, target property only.
- HMIRS: Hazardous Materials Information Reporting System contains hazardous material spill incidents reported to DOT.
- MLTS: Material Licensing Tracking System, a listing of sites which process or use radioactive materials, target property only.
- MINES: Mines Master Index File, one-quarter mile.
- NPL LIENS: Federal Superfund Liens, the US EPA has the authority to file liens against real property when the property owner receives notification of potential liability, target property only.
- PADS: PCB Activity Database System identifies generators, transporters, commercial stores and/or brokers & disposers of PCB's, target property only.
- FUDS: Formally Used Defense Sites, a listing of FUDS properties where US Army Corps of Engineers is actively working or will take necessary cleanup actions, one mile. Date of government version December 31, 2003.
- UMTRA: Uranium Mill Tailings Sites, one-half mile.
- INDIAN RESERV: Indian reservations that have an area equal to or greater than 640 acres, one mile.
- DOD: Department of Defense Sites, a listing of federal lands greater than or equal to 640 acres administered by the DOD, one mile.
- RAATS: RCRA Administrative Action Tracking System contains records based on enforcement actions pertaining to major violators, target property only.
- TRIS: Toxic Chemical Release Inventory System identifies facilities which release toxic chemicals to the air, water, and land in reportable quantities, target property only.
- TSCA: Toxic Substances Control Act identifies manufacturers and importers of chemical substances, target property only.
- SSTs: Section 7 Tracking Systems, a listing of registered pesticide-producing establishments, target property only.
- FTTS: Federal Insecticide, Fungicide, & Rodenticide Act/Toxic Substances Control Act Tracking system, target property only.
- US ENG CONTROLS: A listing of sites with engineering controls in place.
- US INST CONTROL: 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.
- PRP: A listing of verified Potentially Responsible Parties
- NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

State or Local ASTM Supplemental

- AST: Aboveground Petroleum Storage Tank Facilities.
- CLEANERS: Dry cleaner related facilities that have EPA ID numbers, one-quarter mile.
- CA WDS: Waste Discharge System, a listing of sites which have been issued waste discharge requirements, target property only.
- DEED: List of Deed restrictions, target property only.
- SCH: School Property Evaluation Program contains Proposed and existing school sites that are being evaluated for possible hazardous materials contamination, one-quarter mile.
- EMI: Emissions Inventory Data, a listing of toxic and criteria pollutant emissions data, target property only.
- REF: Unconfirmed properties referred to another agency where contamination has not been confirmed and were determined as not requiring direct Department of Toxic Substances Control (DTSC) Site Mitigation Program action, one-quarter mile.
- NFE: Properties Needing Further Evaluation, a listing of properties suspected of being contaminated, one-quarter mile.
- CA SLIC: Spills, Leaks, Investigations and Cleanup Cost Recovery Listing of any contaminated sites with the potential to impact groundwater, one-half mile.
- HAZNET: Hazardous waste manifests, a record of hazardous waste shipments, target property only.
- CA ENVIROSTOR: The 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.

Brownfields Databases

- US Brownfields: A listing of Brownfield sites.
- VCP: Voluntary Cleanup Program Properties.

The complete database listings prepared by EDR and a map showing the search area is presented in Appendix C. The findings are summarized and discussed in the following subsections.

The complete database listings (of records detailed above) prepared by EDR and a map showing the location of the search radius of the environmental study area is presented in Appendix C.

6.1.1 Listing Within the proposed Project Footprint and Environmental Study Area

The proposed Project is partially located on properties associated with the APN's: APNs 453-252-03, 453-251-09 which were not identified in the EDR database. Listings within the environmental study area were additionally identified in the following environmental databases searched: HIST UST, CHMIRS, DRYCLEANERS, EMI, LUST, HAZNET, NPDES, CIWQA, CERS, CERS HAZ WASTE, CA FIS UST,

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

CERS TANKS, HIST CORTESE, UST, AST, SWEEPS UST, ENF, RCRA-LQG, and FINDS. The EDR Radius Map Report is included in Appendix B.

6.1.2 RECs Identified for the Project Footprint

No listings that would constitute REC's were identified inside the proposed Project footprint.

6.1.3 RECs Identified for the Environmental Study Area Outside the Project Footprint

No listings that would constitute REC's were identified within the environmental study area.

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

6.1.4 Items of Note for The Project

Within Proposed Project Footprint

- The area within the ESA consists of predominately developed land for commercial and residential use. The historical agricultural use of the Project footprint and land adjacent to the proposed Project has the potential for the presence of pesticides, fertilizers, and herbicides in soil.
- Observed improvements outside and within the proposed Project footprint include belowground utilities (e.g., communication lines, telecommunication lines, and traffic signal controls) concrete-lined San Joaquin Channel drainage system, sewer manholes and sewer lines, storm drainage systems, underground electrical and power lines, an electrical utility meter station and belowground high-pressure Southern California Gas Company gas pipeline.
- A monitoring well (labeled "MP-8") was observed in the Project footprint as shown on Figure 1. Further investigation through Geotracker, the Orange County website, and Irvine Ranch Water District (IRWD) indicated no identification for this monitoring well. Further research is recommended for the identification, ownership and information of this well.
- There is a possibility for the existence of ADL within the Proposed project footprint. A sampling investigation has not been performed to evaluate the potential for ADL within the Proposed Project footprint. This does not represent a REC for the Proposed Project footprint however, Caltrans identifies this as a potential chemical of concern, which should be evaluated for the purpose of the protection of construction worker safety and the proper characterization and disposal of soils that would be generated during the demolition, grading and excavation construction phases of the project.
- There is a possibility for the existence of lead-based paint may exist in the lane striping paint along Harvard Avenue and Michelson Drive, within Proposed Project footprint. A sampling investigation has not been performed to evaluate the potential for LBP in lane striping. This does not represent a REC for the Proposed project; however, Caltrans identifies this as a chemical of concern, which should be evaluated prior to the disturbance and removal of these materials during the demolition phase of the construction project.

- **Utilities and Infrastructure**

Observed improvements along the proposed Project include signage, belowground utilities (e.g., communication transmission lines and high voltage power transmission lines), concrete-lined San Joaquin Channel drainage channel operated by IRWD, drainage culverts, sewer access points/lines, and storm drains, an electrical utility meter station, a high-pressure natural gas pipeline (belowground), sewer manholes and sewer lines, and underground electrical and telecommunication lines (possibly fiber optic).

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

- Based on review of the EDR well report (Appendix B), there are two water wells (state well and USGS well) located within the ESA. Based on information from EDR, the two water wells (state well and USGS well) are mapped outside of the proposed Project footprint, on the adjacent Rancho San Joaquin Golf Course property. During the field reconnaissance, these wells were not observed, nor was any additional infrastructure. All utilities should be mapped and clearly marked prior to the implementation of any widening construction activities.
- **Stormwater Impacts**

Stormwater runoff from Harvard Avenue and Michelson Drive flow towards the south-southwest, across Michelson Drive, and to the west into the San Diego Creek or east into the San Joaquin Channel drainage channel. Impacted stormwater runoff (oil and grease from the road) flows towards the proposed Project located at the intersection of Harvard Avenue and Michelson Drive and into drainage culverts and San Joaquin Channel drainage. Constituents of concern (e.g., oil and grease) related to stormwater runoff may be present within shallow soils located within the Project footprint.

Within Environmental Study Area

- **Michelson Wastewater Reclamation Plant – 3512 Michelson Drive**

Data Bases: HIST UST, CHMIRS, DRYCLEANERS, EMI, LUST, HAZNET, NPDES, CIWQA, CERS, CERS HAZ WASTE, CA FIS UST, CERS TANKS, HIST CORTESE, UST, AST, SWEEPS UST, ENF, RCRA-LQG, and FINDS.

Associated with the Michelson Wastewater Reclamation Plant property, a water reclamation site was observed to the southwest of the proposed Project. Irvine Ranch Water District operates the facility; the contact number is: 949-453-5300.

Several tanks were noted for the property containing unleaded gasoline, waste oil, and diesel. This site was listed in the GeoTracker database and has a case closed as of 05/14/2004 with diesel and gasoline listed as the potential contaminant of concern and the potential media of concern being soil. In 2003, one 5,000-gallon diesel underground storage tank (UST) and one 10,000-gallon UST along with its piping were removed. Contamination was detected in soil samples obtained during the UST's removal. Hand augured samples and soil borings were then conducted to determine the plumes extent. Remedial excavation was conducted to 21 ft. bgs to remove contaminated soils. The laboratory analysis of the soil samples was non-detect for diesel and gasoline contamination. During the excavation process, groundwater was not encountered. A direct push drill rig installed eight temporary ground water monitoring wells to determine groundwater contamination. Groundwater was encountered at 30ft bgs. The temporary wells could not produce an adequate amount of water for the total petroleum hydrocarbons (TPH)-diesel analysis, however, the laboratory analysis of the groundwater samples by EPA laboratory method 8260 for TPH-g, benzene, toluene, ethylbenzene, total

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

xylenes and all fuel oxygenates was conducted. The laboratory analysis of all groundwater samples was non-detect for contamination. The site met the qualification of the local and regional agencies for a case closure and is not considered to represent a concern for the Proposed Project.

- **Rancho San Joaquin Golf Course (previous Land Road landfill) - One Ethel Coplen Way**

Data Bases: SWF/LF and CERS

The adjacent property, Rancho San Joaquin Golf Course, was previously the Land Road landfill from 1961 to 1964. Listed in the ERD database as SWF/LF and CERS. This site was listed in the GeoTracker database and has a case closed as of 11/30/2013 with vinyl chloride listed as the potential contaminant of concern and the potential media of concern being an aquifer used for drinking water. The landfill has since been closed and operated as the Rancho San Joaquin Golf Course from 1964 to present.

- **Shir Ha-Ma'alot - 3652 Michelson Drive**

A percolation tank for irrigation purposes was also observed on the Shir Ha-Ma'alot (3652 Michelson Drive) property adjacent to the Project footprint, observed during the site reconnaissance.

- **Boomers! – 3405 Michelson Drive**

Data Bases: CERS HAZ WASTE and CERS

Associated with Boomers! (3405 Michelson Drive), a national amusement center chain located in the north west corner of APN: 453-251-09, but not on the project footprint. The site is located NW of the Proposed Project location. Listed in CERS as a chemical storage facility and in 2017 had a violation for 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. The records for the removal of the facility's hazardous waste were not available for inspection. Maintain hazardous waste removal records for 3 years from the date of removal. Submit a copy set for facility's hazardous waste removal records (signed of manifests, receipts) for 9-14 on to this Agency for our review within 30 days, complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities and returned to compliance on 05/30/2018. The site met the

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

qualification of the local agency with no violations found as of 10/05/2018 and is not considered to represent a concern for the Proposed Project.

6.2 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Proposed ROWs use and/or indications of RECs in connection with the Proposed ROWs.

6.2.1 Orange County Department of Environmental Health

Agency Name Contact Information	Findings
OCRMA	Stantec sent a FOIA request to the OCRMA on November 25, 2019 and received a response on December 3, 2019 that no records were found. -

6.2.2 Orange County Fire Department

Agency Name Contact Information	Finding
OCFD	Stantec sent a FOIA request to the OCFD on November 25, 2019 and received a response on December 3, 2019 to provide payment for additional info. As of December 17, 2019, information has not yet been received.

6.2.3 South Coast Air Quality Management District

Agency Name Contact Information	Finding
SCAQMD	Stantec sent a FOIA request to the SCAQMD on November 25, 2019 and received a response on November 26, 2019 that no records were found.

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

6.2.4 City of Irvine

Agency Name Contact Information	Finding
City of Irvine	<p>Stantec sent a FOIA request to the City of Irvine on November 25, 2019 and received a response on November 26, 2019. The files reviewed consisted of:</p> <p>3400 Michelson Drive</p> <ul style="list-style-type: none">• Commercial building permits of Icy Rink• Commercial building permits• Certificate of Use and Occupancy <p>3415.5 Michelson Drive</p> <ul style="list-style-type: none">• Commercial building permits

6.2.5 California Department of Toxic Substances Control

Agency Name Contact Information	Finding
DTSC – Chatsworth	<p>Stantec sent a FOIA request to the DTSC-Chatsworth on November 25, 2019 and received a response letter dated November 27, 2019 that no records were found.</p>

INITIAL SITE ASSESSMENT REPORT

RECORDS REVIEW
December 17, 2019

6.2.6 Santa Ana Regional Water Quality Control Board (SARWQCB)

Agency Name Contact Information	Finding
SARWQCB	Stantec sent a FOIA request to SARWQCB the on November 25, 2019 and received a response on December 3, 2019 that no records were found.

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

7.0 HISTORICAL RECORDS REVIEW

7.1 LAND TITLE RECORDS/DEEDS

Land title records and deeds were not provided by the User to Stantec and these records were not searched as part of this ISA.

7.2 AERIAL PHOTOGRAPHS

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, proposed Project and Adjoining Properties
1938	1" =500'	Present day Harvard Avenue and Michelson Drive Intersection is not visible on this aerial photograph. The area present in this photograph shows mostly undisturbed, naturally occurring vegetation. To the northeast of the present-day intersection is a stretch of roadway. To the southeast of the present-day intersection appears to have been mostly cleared out of natural vegetation, to be utilized for agricultural purposes. To the northwest of the present-day intersection is the San Diego Creek, flowing southwest into the Pacific Ocean.
1952	1" =500'	Present Day Harvard Avenue and Michelson Drive Intersection is not visible on this aerial photograph. Most of the surrounding land has been cleared of naturally occurring vegetation. A secondary drainage system of the San Diego creek is visible, running parallel to the present-day intersection. The area of confluence of the two streams has been cleared of naturally occurring vegetation.
1963	1" =500'	No significant changes in land use from the 1952 photograph are visible. A roadway has been developed south of the present intersection. More land clearing has occurred to the south of the present intersection.
1972	1" =500'	Significant changes in land use from the 1963 photograph are visible. The construction of Interstate 405 running northwest-southeast, to the north of the present intersection. To the east, residential areas have been developed. To the south, the landfill is in operation. Within the area of present-day intersection, land disturbances and vegetation clearing. Both tributaries of San Diego Creek appear to be concrete lined.
1977	1" =500'	No significant changes in land use from the 1972 photograph are visible. Property to the northwest of the present-day intersection has been developed for commercial use. Michelson Drive is now paved and being utilized.

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Year	Scale	Observations, proposed Project and Adjoining Properties
1985	1" =500'	No significant changes in land use from the 1977 photograph are visible. The present-day intersection is now visible on the photograph, with the construction of Harvard Avenue. Directly to the north of the intersection, commercial use property has been developed. The Landfill to the south of the intersection is now being developed into present day Rancho San Joaquin Golf Course. More residential area has been developed to the south of the golf course.
1989	1" =500'	No significant changes to the present-day intersection are visible. Further development of the residential area to the northeast is apparent; commercial development to the northwest is apparent.
1994	1" =500'	No significant changes to the present-day intersection are visible. Further development of the residential area to the north and northeast is apparent. Buildings are present on what is the present-day Michelson Water Reclamation Plant, to the southwest of the intersection.
2005	1" =500'	No significant changes to the present-day intersection are visible. Continued residential and commercial development to the north, north east of the present-day intersection. Directly to the north of the present-day intersection, some recreational development has occurred alongside the commercial developments.
2009	1" =500'	No significant changes in land use from the 2005 photograph are visible.
2012	1" =500'	No significant changes in land use from the 2009 photograph are visible. Land clearing of the commercial property to the northwest of the present-day intersection is visible.
2016	1" =500'	Changes in land use from the 2012 photograph are visible. Residential area and apartments have been developed to the north west of the present-day intersection. No changes are visible to the present-day intersection.

Name of aerial photograph source: The EDR Aerial Photo Decade Package.

7.3 CITY DIRECTORIES

Stantec retained a third party to research available reverse city directories for the Property, in approximately five-year intervals.

Subject/Adjoining Property	Year	Listed Occupants
Subject property	--	The project footprint has no address or parcel number due to it being an intersection.
Nearby N – 18191 Harvard Avenue	1991	Boswell A M
Nearby SW – 3512 Michelson	2002	Occupant listed as "XXXX"
	1986	San Joaquin Duck Club

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
	1980	San Joaquin Duck Club San Joaquin Elementary School
Nearby SW - 3400 Michelson Drive	2014	University Synagogue University Synagogue
	2010	University Synagogue South Reconstructionist Havura South Reconstructionist Havura University Synagogue
	2005	University Synagogue South Reconstructionist Havura South Reconstructionist Havura University Synagogue
Nearby NW - 3405 Michelson Drive	2014	Boomers Festival Fun Parks LLC Boomers Festival Fun Parks LLC
	2010	Boomers Festival Fun Parks LLC Boomers Festival Fun Parks LLC
	2005	Boomers Festival Fun Parks LLC McDonalds of Place Park Boomers Festival Fun Parks LLC. McDonalds of Place Park
Nearby N – 3415 Michelson Drive	2014	Mid valley ranch LLC Regal Lanes Sequoia Management INC FEC of Mesa LLC G Barton Heuler Irvine Recreation Park S & H Ranch LLC Mid Valley Ranch LLC Regal Lanes Fec Of Mesa LLC G Barton Heuler Sequoia Management Inc S & H Ranch LLC Irvine Recreation Park
	2010	Sequoia Management Inc Irvine Recreation Park G Barton Heuler S & H Ranch LLC California Recreational Svcs Regal Lanes Mid Valley Ranch LLC

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		S & H Ranch LLC Irvine Recreation Park Sequoia Management Inc G Barton Heuler California Recreational Svcs Regal Lanes Mid Valley Ranch LLC
	2005	California Recreational Svcs Sequoia Management Inc Irvine Recreation Park WV Ranches a California LT G Barton Heuler California Recreational Svcs G Barton Heuler Wv Ranches a California LT Irvine Recreation Park Sequoia Management INC
Nearby W – 3512 Michelson Drive	2014	Irvine Ranch Water District Irvine Ranch Water District
	2010	Irvine Ranch Water District Irvine Ranch Water District
	2005	Irvine Ranch Water District Irvine Ranch Water District
Nearby W - 3652 Michelson Drive	2014	Congregation Shirha-Ma Alot Congregation Shirha-Ma Alot
	2010	Congregation Shirha-Ma Alot Rancho San Joaquin Partners Rancho San Joaquin Partners Congregation Shirha-Ma Alot
	2005	Rancho San Joaquin Partners Congregation Shirha-Ma Alot Rancho San Joaquin Partners Congregation Shirha-Ma Alot
	1995	Congregation Shir Ha Maalot
	1991	California Coast Club
	1986	Rancho San Joaquin Athletic Club
	1980	E Restaurant Rg Maintenance Cho San Joaquin Athletic Club
Nearby W – 3661 Michelson Drive	2014	Kindercare Learning CTRS LLC Kindercare Learning CTRS LLC

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
	2010	Kindercare Learning CTRS LLC Kindercare Learning CTRS LLC
	2005	Kindercare Learning CTRS LLC Kindercare Learning CTRS LLC
	2002	Learning Centers Kindercare
	1995	Kindercare Learning Centers Irvine
	1986	Irvine
Nearby NE - 3601 Parkview	2002	APARTMENTS ALBAKAWIRaedi F 949 6 S C AYAL ALerao BAILEY Ryan O BERTRAM Jack R
	1995	Silval I II Anderson Frank A Bassiri David N Bemis Leon Bertram Jack R Custom Computer Co Hanlin A Harris James E & Karen M Hedayati Mohammad Koga Takashi Kondo Naoko Lambruschini Ivana Milro Chnick Albert Nakanishi Y Nguyen Amanda Nga Park Roy Schlatter J Silva Kevin Vogel Anne Braakman Jerry
	1991	Mosey Paul & Rose @Anaheim@ Rao Mylar Budd Ron & Crystal HR Budd Robert & Valerie Budd Richard T @Huntington Beach@ Budd Richard L @Westminster@ Budd Randali Anderson Frank A Andrew N Bassiri David N Bassiri Friedl M Bemis Leon

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		Bertram Jack R Beth Jacob Congregation Irvine Brar Hardip Brown Jim Chong Keith Custom Computer Co Grooms Scott Hubbard Michele Karatas Mark Keller William & Sandra Kerchenfaut L Lefebvre Valadimir Le Port M Macdonald Mary Lou Martine GL Matol Botanical Independent Distributor Mc Devitt Matt and Nancy Mullen Steven J Nelson Timothy Newby James Obryant Daniel Rabin A Randig Robert Rentmeester Mark Renton C Resnick Jason Schaffer Philip Shokair Said M Shokat Fadai Farad Siegmund Inc Smith S L Tanadjaja Didi Young James & Shari Insana Craig Weerasuriya Shayamali Lee Amber
	1986	Kikkawa Sunmo Hunt J Refaie M S Ambrose Henry J Anderson Frank A Applegate Jil I Banl Jim Belgum L A & Eric Carr Candace L Cheng Gail Colkttt D Copln Stacey

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		Corbett J Corcoran Robert M Cramer Clayton Crosbie T Curtis Bradley Danesh Moghadajam K H De Boc Darryl Fife David A Fousek Malory Fung Stanley & Lyn Gates Lee Gerencser John G Geverse Mohammad Glavan Steven N Jusuf J Kim Myong J Kock Timothy E Konishi Shoji Kus Jim Le Beau Nell Lefebvre Valadimir Lrm L Livdal Karl A & Ulla Luna G Maor Don Mc Donald B A Mc Donald Mary Lou Mc Gill Logan Mc Millan Bill Mets Pnzahl Paul J Monmoto A Newby James Olson Tracy Park Richard Park Seung Soon Park Seung Soon Reaginf Soncia R Rospond Robt Ruderman Bob Ruston Cornel Schoenberger Ten A Shuck J E Stager Jonathan Smith Martin J Somers Mark Spada Sheila Strehl Richard Suzuki Richard
	1980	Peterson John FL Sridharan KS

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		Amoh Takashi Wandzura Rochelle Alvarez Eduardo Anderson Frank A Beeman David Bennett David S Bennett John T Bernstein S H Blattman Leslie Buckingham Paul A Callahan P Clung Yong Eastwood Alan Garcia J R Jr Gibalevich Alexander Gill M R & Glenn Gill Marilyn Green Katty T I Greene C Greene Debbie He e Huang Alfred T ang Daekyoo Iannuzzi Frank J Jones Albert W Khaloghli Nazila Kinoshita Akira I Krotine C A i Lefebvre Valadimir Le Pard Thos E uebanos J & R Luster Joanna Lynch C A Macdonald Mary Lou Malter Bernard Mc Ian Bill Mecca E Mulcahy Wm Nguyen Quang N Nishimura Yutaka Oriscoll Kevin Owens Evelyn Phelan Thomas F I Pirtle Gloria Pontlus Bart Reed J Ress Bobby J Rodriguez Manuel A Rodrguez Manue IG

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		j todrlquez Sami Sawa Koji Schmidt L Schmidt L E Shimohira Mitsushi Smith Martin J Solem Diane Steele Barbara J Szymanski Paul A Walker Steven & Rita Webb Mary W Wieler Henry F Coleman John M Saito Kaneharu
	1975	Badger L Beck Garry L Boyle B Acord Michael P MD Alstrom John Anderson Bernard Wm Anderson Frank A Brown Loren W Browne D B Causey Ann Clark J A Coltman B R Curhan D Cvik D Daguet Alain Daley Lu DeWitt W K Dogil Conrad Dougherty Chuck W Dunn B J Erickson Mistie G Franklin Max Gelles Edith George Eugene S Gill Glenn Hamilt Herbert A Res Hau Warren Heiser Robt S Hoffman D Robt Huang Alfred T Jackson D Kanter Chas A Kessler David M Killion Bob

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		King Jack King Ronald R Knorr Larry Lanham A Latimore F K Le Mong Hoa Leeg P A Livingston Geo H LIVINGSTON GRAHAM INC Macdonald Mary Louise Ms Madison P McCallum Gary R McGrew Sheryl McHarg Larry Montanez S A Nicholson S Noguchi T Orme Doug Otero Plinio Ponichtera Jas R Pratt P Reed L M Reeder Rosemary Refaie M S Ross Julie Ruse Jimmy W Schafnitz Sherman Shah Dinesh Silsbee P V Smith Wm J Snyder C A Stewart Bette J Sullivan T J Symons Nadine Templeton P J Thompson Wm J Turbow Marvin Dr Turbow & Turbow MDs urology Valli Christopher Vance A M Van Cleve John Van Dalfsen Jas L Vanden Bogaerde Jack Weinberg Herman J Weiss Michael Weltner Wm F Jr Winter J A Yoshitomi A

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Subject/Adjoining Property	Year	Listed Occupants
		Young Beverly A

7.4 HISTORICAL FIRE INSURANCE MAPS

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use are useful in assessing whether there may be potential environmental contamination on or near the proposed Project. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical proposed Project uses.

Stantec contracted with a third party to search for copies of historical fire insurance maps covering the subject and immediately adjacent properties. The Sanborn® Map Search Report reported that the area of the proposed Project has no coverage.

7.5 HISTORICAL TOPOGRAPHIC MAPS

Stantec obtained and reviewed historical topographic maps to help identify past proposed Project footprint usage and areas of potential environmental concern.

The United States Geological Survey 7.5-Minute Topographic Maps of the Tustin, California Quadrangle (scale 1:24,000) was reviewed to identify local and regional physiographic features in the vicinity of the proposed Project (Figure 2)). Based on our review of these data, the proposed Project located at an elevation of approximately 30-55 ft mean sea level (msl), and the general topographic gentle gradient in the vicinity is to the west.

The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, proposed Project and Adjoining Properties
1896	1:62500	Based on the scale, no details regarding specific development of the present-day intersection were observed. Interstate 405 was depicted on this map, no structures or indicators of potential RECs for the proposed Project were presented on the map.
1901	1:62500	
1902	1:125000	Marsh areas are depicted on this map, to the west and southwest of the present-day intersection. Southern Pacific Railroad tracks are depicted on this map.
1932	1:31680	
1935	1:31680	San Diego Creek and its tributaries are depicted to the north, northwest of the present-day intersection.
1942	1:50000	

INITIAL SITE ASSESSMENT REPORT

HISTORICAL RECORDS REVIEW
December 17, 2019

Year	Scale	Observations, proposed Project and Adjoining Properties
1948	1:24,000	Marsh areas are depicted to the west, southwest of the present-day intersection. Agricultural land use area is designated to the north, northeast of the present-day intersection. Southern Pacific Railroad tracks are depicted to the north, northeast, and southeast of the present-day intersection. The San Joaquin Channel directly parallel to the intersection is visible on this map.
1950	1:24,000	This map provides little detail of the proposed Project and the Environmental Study Area.
1965	1:24,000	This map indicated various structures, none within the Environmental Study Area. Duck ponds have been established where previously indicated marsh areas were. A well is indicated to the south of the present-day intersection, however not in the study area. The Rancho San Joaquin golf course is presented on this map.
1972	1:24,000	This map indicates the residential neighborhood to the east, southeast of the present-day intersection. Interstate 405 appears to be developed to its current conditions.
1981	1:24,000	All streets depicted represent their current conditions. The San Diego Creek and the San Joaquin Channel appear to be in the Environmental Study Area.
2012	1:24,000	Harvard Avenue and Michelson Drive Intersection, surrounding streets, and infrastructure are depicted to their current conditions.

Name of maps and source: The EDR Historical Topographic Map Report

7.6 OTHER HISTORICAL SOURCES

No other historical sources were researched.

INITIAL SITE ASSESSMENT REPORT

POTENTIAL FOR VAPOR INTRUSION
December 17, 2019

8.0 POTENTIAL FOR VAPOR INTRUSION

Consideration of the migration of hazardous substances and petroleum products in all phases including solid, liquid, or vapor is required by the ASTM E1527-13 standard. As stated in Section 2.1 of ASTM E1527-13:

Vapor migration must be considered no differently than contaminated groundwater migration in the Phase I investigation. While E2600-10 provides an industry consensus methodology to assess vapor migration, use of E2600-10 methodology is not required to achieve compliance with AAI – an EP may use alternative methodology as deemed appropriate, but this must be documented in the Phase I report (i.e., it must be “capable of being reconstructed by an EP other than the EP responsible for the Phase I”).

As presented below, analysis of the potential for onsite or offsite releases to have affected the Proposed project via migration through soil, groundwater or soil vapor was performed with consideration given to media affected, Proposed use of the Proposed project, distance from the Proposed project, remedial actions taken, type of contaminants, subsurface conditions, and location of the source relative to groundwater gradient.

Based on the proposed Project, vapor intrusion conditions are not considered to represent a risk for the proposed Project.

INITIAL SITE ASSESSMENT REPORT

EVALUATION
December 17, 2019

9.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

9.1 FINDINGS AND OPINIONS

Information gathered from reviews of existing data review and a Proposed ROW inspection was evaluated to determine if RECs are present in connection with the Proposed ROW. Based on this information, Stantec made the following findings and developed the following opinions.

Items of Note for The Project

Finding 1: There is a possibility for the existence of ADL within the proposed Project footprint.

Opinion 1: A sampling investigation has not been performed to evaluate the potential for ADL within the proposed Project footprint. This does not represent a REC for the proposed Project footprint however, Caltrans identifies this as a potential chemical of concern

Finding 2: The area within the ESA consists of predominately developed land for commercial and residential use. According to available records, aerial photographs, and topographic maps the historical agricultural use of the Project footprint and land adjacent to the proposed Project has the potential for presence of pesticides, fertilizers and herbicides in soil. In addition, there is the potential for weed abatement activities to have been conducted along Harvard Avenue and Michelson Drive, which could result in the potential presence of herbicides in shallow soils within the project footprint.

Opinion 2: The historical agricultural use of land adjacent to the Project footprint and potential weed abatement within the project footprint may have resulted in the potential presence of pesticides fertilizers and herbicide chemicals in shallow soil within the proposed Project footprint.

Finding 3: Observed improvements outside and within the proposed Project footprint include belowground utilities (e.g., communication lines, telecommunication lines, and traffic signal controls) concrete-lined San Joaquin Channel drainage system, sewer manholes and sewer lines, storm drainage systems, underground electrical and power lines, an electrical utility meter station and belowground high pressure Southern California Gas Company gas pipeline.

Opinion 3: Although these wells/features/infrastructure and underground utilities do not represent a REC for the Proposed ROWs, it is recommended that all potential underground utilities in the vicinity are located prior to the initiation of construction activities.

INITIAL SITE ASSESSMENT REPORT

EVALUATION

December 17, 2019

Finding 4: A monitoring well (labeled "MP-8") was observed in the Project footprint as shown on Figure 1. Further investigation through Geotracker, the Orange County website, and Irvine Ranch Water District (IRWD) indicated no identification for this monitoring well.

Opinion 4: Further research is recommended for the identification, ownership and information of this well.

Finding 5: Associated with the Michelson Wastewater Reclamation Plant property, a water reclamation site was observed to the southwest of the proposed Project. Several tanks were noted for the property containing unleaded gasoline, waste oil, and diesel. This site was listed in the GeoTracker database and has a case closed as of 05/14/2004 with diesel and gasoline listed as the potential contaminant of concern and the potential media of concern being soil. In 2003, one 5,000-gallon diesel underground storage tank (UST) and one 10,000-gallon UST along with its piping were removed. Contamination was detected in soil samples obtained during the UST's removal. Hand augured samples and soil borings were then conducted to determine the plumes extent. Remedial excavation was conducted to 21 ft. bgs to remove contaminated soils. The laboratory analysis of the soil samples was non-detect for diesel and gasoline contamination. During the excavation process, groundwater was not encountered. A direct push drill rig installed eight temporary ground water monitoring wells to determine groundwater contamination. Groundwater was encountered at 30ft bgs. The temporary wells could not produce an adequate amount of water for the total petroleum hydrocarbons(TPH)-diesel analysis, however, the laboratory analysis of the groundwater samples by EPA laboratory method 8260 for TPH-g, benzene, toluene, ethylbenzene, total xylenes and all fuel oxygenat4~s was conducted. The laboratory analysis of all groundwater samples was non-detect for contamination.

Opinion 5: The site met the qualification of the local and regional agencies for a case closure and is not considered to represent a concern for the Proposed Project.

Finding 6: The adjacent property, Rancho San Joaquin Golf Course, was previously the Land Road landfill from 1961 to 1964. Listed in the ERD database as SWF/LF and CERS. This site was listed in the GeoTracker database and has a case closed as of 11/30/2013 with vinyl chloride listed as the potential contaminant of concern and the potential media of concern being an aquifer used for drinking water. The landfill has since been closed and operated as the Rancho San Joaquin Golf Course from 1964 to present.

Opinion 6: The golf course/former landfill is located outside of the Project Footprint and based on the improvement work proposed (relatively shallow depth of earthwork proposed) is not considered to represent a concern for the Proposed Project. Prior to December 2006, landfill gas impacted groundwater downgradient of the site. At this time the current owners and operators of the Rancho San Joaquin Golf Course, American Golf Corp., installed a gas collection system to address the migrating gas along the eastern portion of the site. Orange County Waste & Recycling took ownership of this gas

INITIAL SITE ASSESSMENT REPORT

EVALUATION

December 17, 2019

collection system in January 2008 and expanded the system to the north of the site. As of November 30, 2013, this site is listed as "Completed-Case Closed" according to State Water Resources Control Board: Geotracker.

Finding 7: A percolation tank for irrigation purposes was observed on the Shir Ha-Ma'alot (3652 Michelson Drive) property adjacent to the Project footprint, observed during the site reconnaissance.

Opinion 7: The tank does not represent a concern for the Proposed Project.

Finding 8: There is a possibility for the existence of lead-based paint may exist in the lane striping paint along Harvard Avenue and Michelson Drive, within proposed Project footprint.

Opinion 8: A sampling investigation has not been performed to evaluate the potential for LBP in lane striping. This does not represent a REC for the proposed Project; however, Caltrans identifies this as a chemical of concern, which warrants further evaluation based on the demolition and removal of these materials during the construction phase of the project.

Finding 9: Stormwater runoff from Harvard Avenue and Michelson Drive flow towards the south-southwest, across Michelson Drive, and to the west into the San Diego Creek or east into the San Joaquin Channel. Impacted stormwater runoff (oil and grease from the road) flows towards the proposed Project located at the intersection of Harvard Avenue and Michelson Drive and into drainage culverts and San Joaquin Channel.

Opinion 9: Constituents of concern (e.g., oil and grease) related to stormwater runoff may be present within shallow soils located in the improvements project proposed Project footprint and are considered as an item of note, which warrants further evaluation to protect construction worker safety and the proper characterization and disposal of soils during the construction phase of the project.

Finding 10: Associated with Boomers (3405 Michelson Drive), a national amusement center chain located in the north west corner of APN: 453-251-09, but not on the project footprint. The site is located NW of the Proposed Project location. Listed in the EDR database as: CERS HAZ WASTE and CERS. Listed in CERS HAZ WASTE as a hazardous waste generator. Listed in CERS as a chemical storage facility and in 2017 had a violation for 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. The records for the removal of the facility's hazardous waste were not available for inspection. Maintain hazardous waste removal records for 3 years from the date of removal. Submit a copy set for facility's hazardous waste removal records (signed of manifests, receipts) for 9-14 on to this Agency for our review within 30 days, complete and electronically submit a

INITIAL SITE ASSESSMENT REPORT

EVALUATION

December 17, 2019

business plan when storing/handling a hazardous material at or above reportable quantities and returned to compliance on 05/30/2018.

Opinion 10: The site met the qualification of the local agency with no violations found as of 10/05/2018 and is not considered to represent a concern for the Proposed Project.

9.2 DATA GAPS

The federal AAI rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the EP or the User.

Any data gaps resulting from the Phase I ISA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions from Scope of Work Referenced in Section 1.4:	None.
Weather-Related Restrictions to Site Reconnaissance:	None.
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None.
Data Gaps from Environmental Records Review:	None
Data Gaps from Historical Records Review:	None.
Data Gaps from Interviews:	None.
Other Data Gaps:	None.

9.3 CONCLUSIONS/RECOMMENDATIONS

CONCLUSIONS

This ISA was prepared on behalf of the City of Irvine, Department of Transportation, to support proposed construction improvements to the intersection of Harvard Avenue and Michelson Drive in Irvine, Orange County, California (Figure 1).

The proposed Project involves the widening of the west sides of south bound Harvard Avenue and the north and south sides of east and west bound Michelson drive through Buildout. Minor acquisition of existing City of Irvine and private property in order to accommodate the new proposed Project footprint design. Approximately 0.027 acres of land will be acquired from 3415

INITIAL SITE ASSESSMENT REPORT

EVALUATION

December 17, 2019

½ Michelson Drive in parcel number 453-251-09, while 0.016 acres of land will be acquired from 3400 Michelson Drive in parcel number 453-252-03. This ISA addresses an area within the Proposed Project footprint and an environmental study area extending 0.5-miles around the Proposed Project Footprint.

The area within the ESA consists of predominately developed land for commercial and residential use. The historical agricultural use of the Project footprint and land adjacent to the proposed Project has the potential for the presence of pesticides, fertilizers and herbicides in soil.

Observed improvements along the proposed Project include signage, belowground utilities (e.g., communication transmission lines and high voltage power transmission lines), concrete-lined San Joaquin drainage channel operated by IRWD, drainage culverts, sewer access points/lines, and storm drains, an electrical utility meter station, a high-pressure natural gas pipeline (belowground), sewer manholes and sewer lines, and underground electrical and telecommunication lines (possibly fiber optic).

Based on review of the EDR well report (Appendix B), there are two water wells (state well and USGS well) located within the ESA. Based on information from EDR, the two water wells (state well and USGS well) are mapped outside of the proposed Project footprint, on the adjacent Rancho San Joaquin Golf Course property. During the field reconnaissance, these wells were not observed, nor was any additional infrastructure. All utilities should be mapped and clearly marked prior to the implementation of any widening construction activities.

This assessment has revealed no RECs in connection with the Proposed Project footprint.

However, the following items of note were identified for the Proposed Project footprint during this ISA:

- The area within the ESA consists of predominately developed land for commercial and residential use. The historical agricultural use of the Project footprint and land adjacent to the proposed Project has the potential for presence of pesticides, fertilizers and herbicides in soil.
- Observed improvements outside and within the proposed Project footprint include belowground utilities (e.g., communication lines, telecommunication lines, and traffic signal controls) concrete-lined San Joaquin Channel drainage system, sewer manholes and sewer lines, storm drainage systems, underground electrical and power lines, an electrical utility meter station and belowground high pressure Southern California Gas Company gas pipeline.
- A monitoring well (labeled "MP-8") was observed in the Project footprint as shown on Figure 1. Further investigation through Geotracker, the Orange County website, and Irvine Ranch Water District (IRWD) indicated no identification for this monitoring well. Further research is recommended for the identification, ownership and information of this well.

INITIAL SITE ASSESSMENT REPORT

EVALUATION

December 17, 2019

- There is a possibility for the presence of ADL and LBP in the Proposed ROWs, Caltrans identifies these compounds as potential chemicals of concern, which warrants further evaluation to protect construction worker safety and properly characterize soil for disposal purposes during the demolition, excavation and grading phases of the construction project.
- Based on the potential historic agricultural use in the area of the proposed project, as well as the potential for weed abatement activities to have been performed along Harvard Boulevard and Michelson, there is the potential for the presence of pesticides and herbicide constituents in the Proposed project footprint, which warrants further evaluation to protect construction worker safety and properly characterize soil for disposal purposes during the demolition, excavation and grading phases of the construction project.
- Stantec observed utility signage and USA markings during the field reconnaissance visit indicative that several underground utilities traverse the Proposed Project footprint

RECOMMENDATIONS

Based on the completion of this ISA, Stantec recommends the completion of a Phase II Environmental Site Assessment (Phase II ESA) in the Proposed ROW areas of the Project. The purpose of the Phase II ESA is to evaluate the potential presence of the following potential constituents of concern in soil:

- Presence of ADL: Shallow soil samples should be collected in the Proposed Project areas and analyzed for Total (CAM 17) Metals by EPA Test Method 6010B. Additional solubility testing (i.e., Soluble Threshold Limit Concentration [STLC] and Toxic Characteristic Leaching Procedure [TCLP] lead) by EPA Test Method should be conducted as necessary based on the results of the initial total metals results;
- Presence of Pesticide/Herbicides: Shallow soil samples collected in the Proposed Project areas should be collected and analyzed for Pesticides/Herbicides by EPA Test Method 8080/8081A;
- A monitoring well (labeled "MP-8") was observed in the Project footprint as shown on Figure 2. Further investigation through Geotracker, the Orange County website, and Irvine Ranch Water District (IRWD) indicated no identification for this monitoring well. Further research is recommended for the identification, ownership and information of this well.
- pH: Select soil samples from the Proposed Project areas will also be submitted for pH analysis by EPA Test Method 9045D; and
- Other: Subject to conditions encountered during the Phase II ESA investigation in the Proposed ROWs (i.e., the presence of any stained soil/potential oil and grease from stormwater runoff), additional testing of soil may be conducted. All analytical testing of

INITIAL SITE ASSESSMENT REPORT

REFERENCES

December 17, 2019

soil samples shall be conducted by a State of California Certified Laboratory and Chain-of-Custody documentation.

10.0 REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, November 2013.

American Society for Testing and Materials (ASTM), 2010, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, Designation E 2600-10, June 1.

ArcGIS. Orange County – Our Watersheds.
<https://www.arcgis.com/home/item.html?id=6186e6d36ec14e699621486913610e3f>.
Accessed December 2019.

California Department of Health Services (DHS), 1990, California Statewide Radon Survey, May.

California Department of Water Resources (DWR), 2004, California's Groundwater Bulletin 118, South Coast Hydrologic Region, Coastal Plain of Orange County Groundwater Basin, updated February 27.
https://water.ca.gov/LegacyFiles/pubs/groundwater/bulletin_118/basindescriptions/8-1.pdf.
Accessed November 2019.

California Department of Water Resources (DWR). 2018. B118 Basin Boundary Description 2016 – 8_001 Coastal Plain of Orange County. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/B118-Basin-Boundary-Descriptions-2016/B118-Basin-Boundary-Description-2016---8_001.pdf. Accessed November 2019

Environmental Data Resources (EDR), 2019. Aerial Photographs, City Directories, Sanborn® Map Report, Topographic Maps, EDR Radius Map™ Report with GeoCheck®, Harvard Avenue and Michelson Drive, Irvine CA 92612, November 12, 2019.

Federal Emergency Management Agency (FEMA). 2019. Flood Plain Map Service. https://p4.msc.fema.gov/arcgis/rest/directories/arcgisjobs/nfhl_print/nfhlprinttool2_gpserver/j083b9014f54643afaf4f380e18083747/scratch/FIRMETTE_95b6b480-0d5d-11ea-825f-0050569ce01d.pdf . Accessed November 2019

State Water Resources Control Board (SWRCB) GeoTracker. 2019. Rancho San Joaquin Golf Course (T10000002929).
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002929.
Accessed December 2019

U.S. Environmental Protection Agency (EPA), 2005, All Appropriate Inquiry Final Rule

INITIAL SITE ASSESSMENT REPORT

REFERENCES

December 17, 2019

U. S. Environmental Protection Agency (EPA), 1993, USEPA Map of Radon Zones Throughout United States, Document No. EPA-402-R-93-071.

Websites:

<http://www.ocgov.com/civicax/filebank/blobdload.aspx?BlobID=32728>

<https://geotracker.waterboards.ca.gov/>

http://hwts.dtsc.ca.gov/report_list.cfm

<http://www.epa.gov/enviro/>

<https://www.fws.gov/wetlands/data/Mapper.html>

<http://www.cdph.ca.gov/healthinfo/environhealth/Documents/Radon/CaliforniaRadonDatabase.pdf>

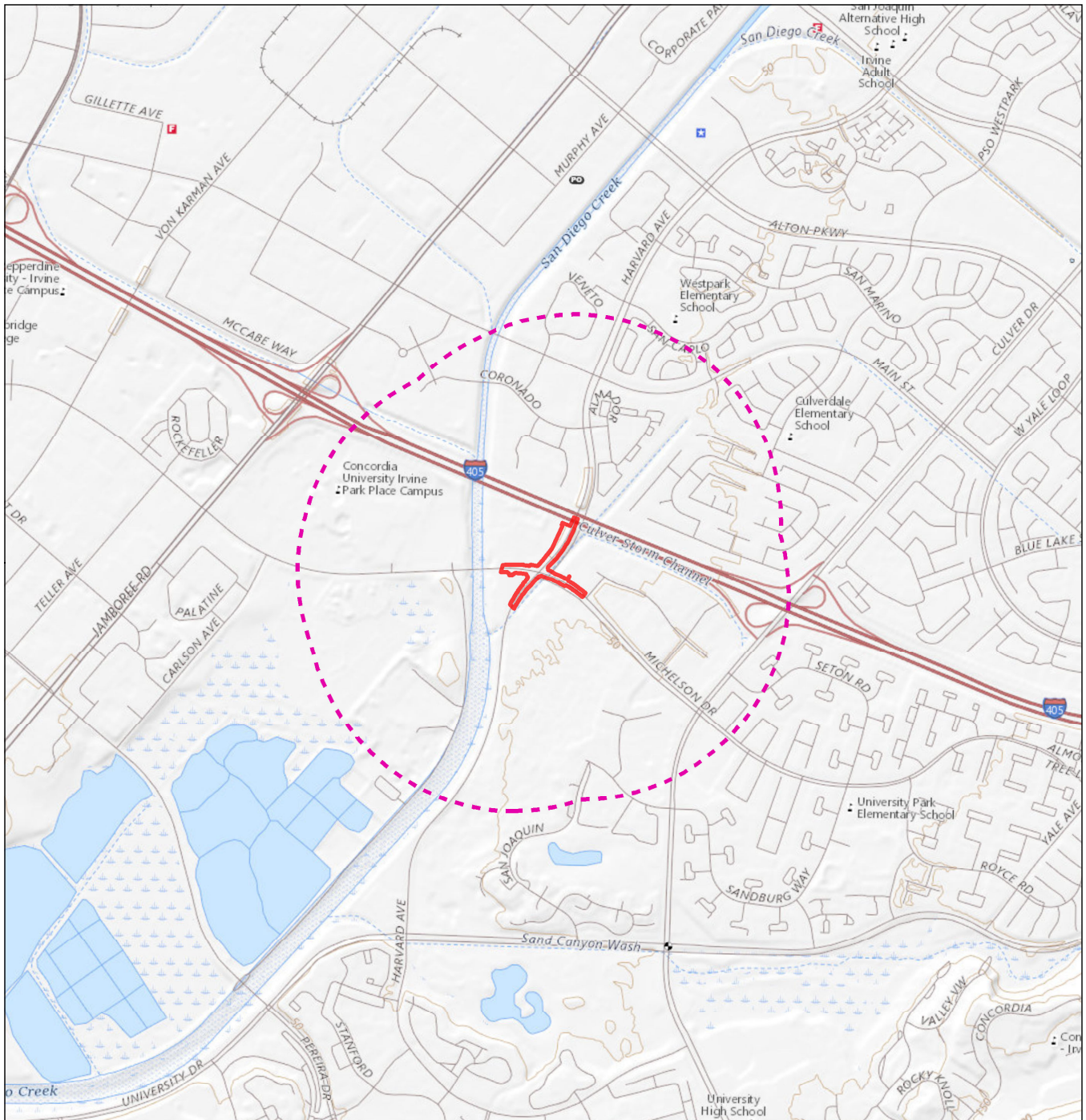
INITIAL SITE ASSESSMENT REPORT



FIGURES

December 17, 2019

FIGURES

V:\2042\active\2042557300\05_report_deliv\dwgs_desig\dwgs_figures\MXDs\SA Figure 1.mxd Revised: 2019-12-16 By: dalaw



-  Project Boundary
 Environmental Study Area (0.5 Mile)

0 0.25 0.5 Miles
(At original document size of 8.5x11)
1:24,000



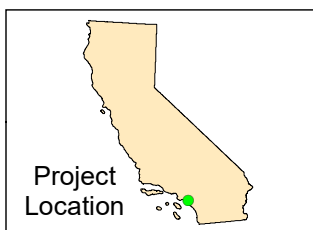
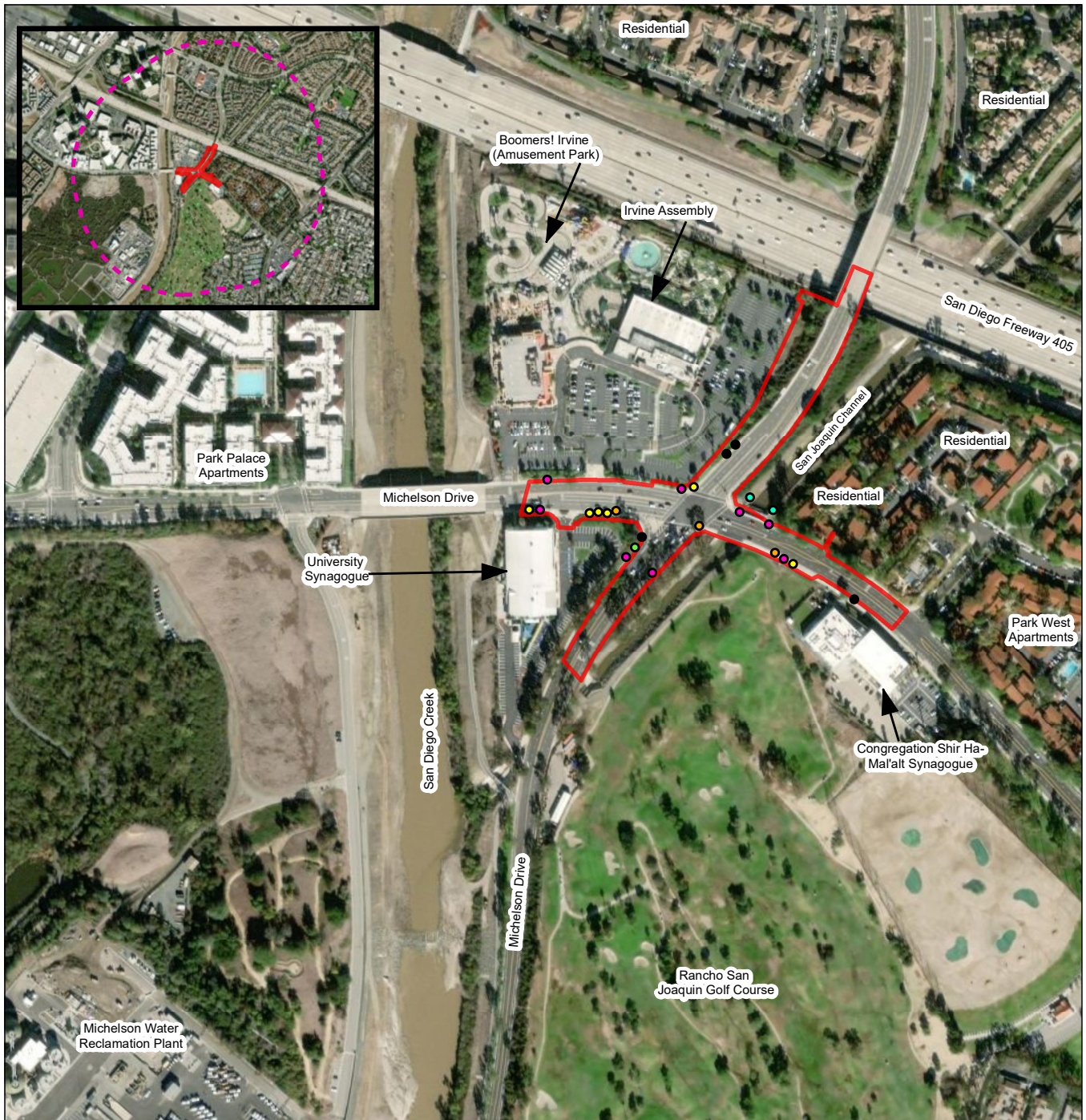
Project Location Prepared by DL on 2019-11-25
Irvine, California TR by
Client/Project IR by
City of Irvine 2042557300
Harvard Avenue and Michelson Drive
Intersection Improvement Project

Figure No.
1

Title
Location Map

Notes
1. Coordinate System: NAD 1983 StatePlane
California VI FIPS 0406 Feet
2. Data Sources: Stantec 2019.
3. Background: USGS The National Map: National
Boundaries Dataset, 3DEP Elevation Program,
Geographic Names Information System, National
Hydrography Dataset, National Land Cover
Database, National Structures Dataset, and National

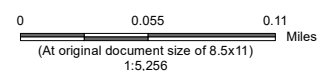
Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.



Notes

1. Coordinate System: NAD 1983 StatePlane California VI FIPS 0406 Feet
2. Data Sources: Stantec 2019.
3. Background: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- Project Boundary
- Environmental Study Area (0.5 Mile)
- Gas Line
- Other Landmarks
- Sewer
- Street Drainages
- Utilities (bgs)
- Well Box



Project Location Prepared by DL on 2019-11-25
Irvine, California TR by IR by

Client/Project 2042557300
City of Irvine
Harvard Avenue and Michelson Drive
Intersection Improvement Project

Figure No.
2

Title
Site Map

INITIAL SITE ASSESSMENT REPORT

Appendix A
PHOTOGRAPHS OF THE PROPOSED PROJECT AND VICINITY
December 17, 2019

Appendix A PHOTOGRAPHS OF THE PROPOSED PROJECT AND VICINITY



Photo #1 Looking east at the Harvard/Michelson Intersection with Park West apartment homes on the northbound side of Harvard Avenue and Rancho San Joaquin Golf Course on the eastbound side of Michelson Drive.



Photo #2 Looking northeast Harvard/Michelson Intersection with University Synagogue directly to the southwest.



Photo #3 Looking west at the Harvard/Michelson Intersection with Irvine Lanes and Boomers! on the eastbound side of Harvard Avenue.



Photo #4 Looking southwest at Harvard/Michelson Intersection with Rancho San Joaquin Golf Course on the eastbound side of Michelson Drive



Photo #5 Unidentifiable monitoring well, marked as MP-8



Photo #6 Looking northeast along Harvard Avenue, with unidentifiable monitoring well located in grass along public ROW to the east of University Synagogue



Photo #7 Looking west at telecommunications and communications equipment within grass along public ROW on southbound side of Harvard Avenue.



Photo #8 Looking east at Southern California Gas Company High Pressure Gas Line over San Diego Creek tie-in.



Photo #9 Looking west at the aboveground indicator of high pressure gas line.



Photo #10 Looking south at the Shir Ha-Ma'alot percolation tank along the eastbound side of Michelson Drive, adjacent to Rancho San Joaquin golf Course.

INITIAL SITE ASSESSMENT REPORT

Appendix B
EDR REPORT
December 17, 2019

Appendix B EDR REPORT

Harvard Avenue and Michelson Drive

Harvard Avenue and Michelson Drive
Irvine, CA 92612

Inquiry Number: 5865502.2s
November 12, 2019

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	217
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-13
Physical Setting Source Map Findings	A-15
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

HARVARD AVENUE AND MICHELSON DRIVE
IRVINE, CA 92612

COORDINATES

Latitude (North):	33.6705830 - 33° 40' 14.09"
Longitude (West):	117.8333590 - 117° 50' 0.09"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	422742.5
UTM Y (Meters):	3725750.0
Elevation:	34 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640942 TUSTIN, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515, 20140514
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
HARVARD AVENUE AND MICHELSON DRIVE
IRVINE, CA 92612

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MICHELSON RECLAMATIO	3512 MICHELSON DRIVE	HIST UST, CHMIRS, DRYCLEANERS, EMI	Higher	1 ft.
A2	MICHELSON TREATMENT	3512 MICHELSON	LUST, HAZNET, NPDES, CIWQS, CERS	Higher	1 ft.
A3	MICHELSON RECLAMATIO	3512 MICHELSON DR	HIST UST	Higher	1 ft.
A4	MICHELSON WATER RECL	3512 MICHELSON DR	LUST, CERS HAZ WASTE, CA FID UST, CERS TANKS, HIST...	Higher	1 ft.
A5	IRWD BLDG 10	3512 MICHELSON DR BL	UST	Higher	1 ft.
A6	IRVINE RANCH WATER D	3512 MICHELSON DR	UST	Higher	1 ft.
A7		3512 MICHELSON DR	AST	Higher	1 ft.
A8	MICHELSON WATER RECY	3512 MICHELSON DR	RCRA NonGen / NLR	Higher	1 ft.
A9	IRWD BLDG 10	3512 MICHELSON DR BL	CERS HAZ WASTE, CERS TANKS, CERS	Higher	1 ft.
A10	MICHELSON WWRF	3512 MICHELSON DRIVE	SWEEPS UST, ENF, CIWQS	Higher	1 ft.
A11	IRVINE RANCH WATER D	3512 MICHELSON DRIVE	RCRA-LQG, FINDS	Higher	1 ft.
A12	IRVINE RANCH WATER D	3512 MICHELSON	LUST, HIST CORTESE	Higher	1 ft.
A13	BOOMERS	3405 MICHELSON DR	CERS HAZ WASTE, CERS	Higher	1 ft.
14	PARK PLACE APARTMENT	3395 MICHELSON DR	CERS TANKS, CERS	Higher	585, 0.111, West
15	LANE ROAD DISPOSAL S	S OF MICHELSON W OF	SWF/LF, CERS	Higher	888, 0.168, SSE
16	MCAS HOLFMILE FIELD	FOUNTAIN VALLEY	ENVIROSTOR	Higher	1067, 0.202, South
17	WESTERN DIGITAL	3355 MICHELSON DR	RCRA-SQG, CERS HAZ WASTE, HAZNET, CERS	Higher	1129, 0.214, West
B18	PARADISE CLEANERS	17595 HARVARD AVE	CPS-SLIC, CERS HAZ WASTE, Orange Co. Industrial...	Higher	1727, 0.327, NNE
B19	DRY CLEAN EXPRESS	17595 HARVARD AVENUE	CPS-SLIC, CERS	Higher	1727, 0.327, NNE
C20	FLUOR TECHNOLOGY, IN	3333 MICHELSON DR	RCRA-SQG, LUST, HIST UST, Orange Co. Industrial...	Lower	2123, 0.402, West
C21	FLUOR CORPORATION	3333 MICHELSON	ENF, HIST CORTESE, CIWQS	Lower	2123, 0.402, West
22	RANCHO SAN JOAQUIN G	1 ETHEL COPLEN	CPS-SLIC, CERS	Higher	2163, 0.410, SSE
D23	SHELL OIL	3090 MAIN	LUST, Cortese, CERS	Higher	2253, 0.427, North
D24	SHELL OIL	3090 MAIN ST.	LUST	Higher	2253, 0.427, North
E25	UNOCAL #6404	18011 CULVER DR	HIST UST, CA FID UST, HIST CORTESE	Higher	2480, 0.470, SE
E26	UNOCAL #6404	18011 CULVER	LUST	Higher	2480, 0.470, SE
E27	CULVER AUTO SPA	18011 CULVER DR	LUST, UST, CERS	Higher	2480, 0.470, SE
28	ORANGE COUNTY-LANE R	LANE & CULVER RDS MI	WMUDS/SWAT	Higher	2506, 0.475, ESE
E29	CHEVRON #9-6698	18002 CULVER	LUST, CA FID UST, CHMIRS, HIST CORTESE, CERS	Higher	2629, 0.498, SE
F30	AUDIO MAGNETICS CORP	2602 MICHELSON DR	RCRA-SQG, HIST Cal-Sites, FINDS, ECHO, CERS	Higher	4881, 0.924, WNW
F31	TRAMMEL CROW	2602 MICHELSON	RESPONSE, ENVIROSTOR, LUST, CERS	Higher	4881, 0.924, WNW
G32	MALLINCKRODT MEDICAL	18691 JAMBOREE RD	FINDS, ECHO, HWP	Higher	5120, 0.970, West
G33	MALLINCKRODT MEDICAL	18691 JAMBOREE RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, US INST...	Higher	5120, 0.970, West
G34	GW CLEANUP-IRVINE, J	18691 JAMBOREE	ENVIROSTOR, CPS-SLIC, DEED, Cortese, EMI, ENF,...	Higher	5120, 0.970, West
35	KELVIN PROPERTY	2552 KELVIN AVENUE	ENVIROSTOR, VCP	Higher	5261, 0.996, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

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

VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

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

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

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

DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

CHMIRS..... California Hazardous Material Incident Report System

LDS..... Land Disposal Sites Listing

EXECUTIVE SUMMARY

MCS..... Military Cleanup Sites Listing
 Orange Co. Industrial Site..... List of Industrial Site Cleanups
 SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
 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
 ROD..... Records Of Decision
 RMP..... Risk Management Plans
 RAATS..... RCRA Administrative Action Tracking System
 PRP..... Potentially Responsible Parties
 PADS..... PCB Activity Database System
 ICIS..... Integrated Compliance Information System
 FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 MLTS..... Material Licensing Tracking System
 COAL ASH DOE..... Steam-Electric Plant Operation Data
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
 PCB TRANSFORMER..... PCB Transformer Registration Database
 RADINFO..... Radiation Information Database
 HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
 DOT OPS..... Incident and Accident Data
 CONSENT..... Superfund (CERCLA) Consent Decrees
 INDIAN RESERV..... Indian Reservations
 FUSRAP..... Formerly Utilized Sites Remedial Action Program
 UMTRA..... Uranium Mill Tailings Sites
 LEAD SMELTERS..... Lead Smelter Sites
 US AIRS..... Aerometric Information Retrieval System Facility Subsystem
 US MINES..... Mines Master Index File
 ABANDONED MINES..... Abandoned Mines
 FINDS..... Facility Index System/Facility Registry System
 DOCKET HWC..... Hazardous Waste Compliance Docket Listing
 ECHO..... Enforcement & Compliance History Information
 UXO..... Unexploded Ordnance Sites
 FUELS PROGRAM..... EPA Fuels Program Registered Listing
 CA BOND EXP. PLAN..... Bond Expenditure Plan
 CUPA Listings..... CUPA Resources List
 EMI..... Emissions Inventory Data
 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

EXECUTIVE SUMMARY

PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
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 LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

EXECUTIVE SUMMARY

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 CORRACTS 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>
MALLINCKRODT MEDICAL EPA ID:: CAD058231598	18691 JAMBOREE RD	W 1/2 - 1 (0.970 mi.)	G33	178

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 06/24/2019 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>
IRVINE RANCH WATER D EPA ID:: CAD981694672	3512 MICHELSON DRIVE	0 - 1/8 (0.000 mi.)	A11	88

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 06/24/2019 has revealed that there is 1 RCRA-SQG 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>
WESTERN DIGITAL EPA ID:: CAR000214973	3355 MICHELSON DR	W 1/8 - 1/4 (0.214 mi.)	17	109

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 is 1 RESPONSE site within approximately 1 mile 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>
TRAMMEL CROW Database: RESPONSE, Date of Government Version: 07/29/2019 Status: Certified Facility Id: 30350014	2602 MICHELSON	WNW 1/2 - 1 (0.924 mi.)	F31	171

State- and tribal - equivalent CERCLIS

ENVIROSTOR: 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/29/2019 has revealed that there are 4 ENVIROSTOR 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>
MCAS HOLFMILE FIELD Status: No Further Action Facility Id: 30970008	FOUNTAIN VALLEY	S 1/8 - 1/4 (0.202 mi.)	16	108
TRAMMEL CROW Status: Certified Facility Id: 30350014	2602 MICHELSON	WNW 1/2 - 1 (0.924 mi.)	F31	171
GW CLEANUP-IRVINE, J Status: Active Facility Id: 80001430	18691 JAMBOREE	W 1/2 - 1 (0.970 mi.)	G34	192
KELVIN PROPERTY Status: No Further Action Facility Id: 30000002	2552 KELVIN AVENUE	NNW 1/2 - 1 (0.996 mi.)	35	213

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 is 1 SWF/LF 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>
LANE ROAD DISPOSAL S Database: SWF/LF (SWIS), Date of Government Version: 08/12/2019	S OF MICHELSON W OF	SSE 1/8 - 1/4 (0.168 mi.)	15	106

EXECUTIVE SUMMARY

Facility ID: 30-CR-0063
Operational Status: Closed
Regulation Status: Pre-regulations

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 approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MICHELSON TREATMENT Database: ORANGE CO. LUST, Date of Government Version: 07/10/2019 Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 09/09/2019 Status: Completed - Case Closed Facility Id: 87UT070 Facility Id: 99UT021 Facility Id: 84UT015 Facility Id: 03UT013 Facility Status: Case Closed Global Id: T0605995588 Global Id: T0605900352 Global Id: T0605931879 Global Id: T0605902264 Global ID: T0605931879	3512 MICHELSON	0 - 1/8 (0.000 mi.)	A2	20
MICHELSON WATER RECL Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605995588	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A4	43
IRVINE RANCH WATER D Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605900352 Global ID: T0605902264	3512 MICHELSON	0 - 1/8 (0.000 mi.)	A12	93
SHELL OIL Database: ORANGE CO. LUST, Date of Government Version: 07/10/2019 Database: LUST, Date of Government Version: 09/09/2019 Status: Open - Site Assessment Facility Id: 03UT031 Global Id: T0605922792	3090 MAIN	N 1/4 - 1/2 (0.427 mi.)	D23	140
SHELL OIL Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Pollution Characterization Global ID: T0605922792	3090 MAIN ST.	N 1/4 - 1/2 (0.427 mi.)	D24	144
UNOCAL #6404 Database: LUST REG 8, Date of Government Version: 02/14/2005	18011 CULVER	SE 1/4 - 1/2 (0.470 mi.)	E26	147

EXECUTIVE SUMMARY

Facility Status: Remedial action (cleanup) Underway
Global ID: T0605901634

CULVER AUTO SPA **18011 CULVER DR** **SE 1/4 - 1/2 (0.470 mi.)** **E27** **148**

Database: ORANGE CO. LUST, Date of Government Version: 07/10/2019
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 93UT012
Global Id: T0605901634

CHEVRON #9-6698 **18002 CULVER** **SE 1/4 - 1/2 (0.498 mi.)** **E29** **153**

Database: ORANGE CO. LUST, Date of Government Version: 07/10/2019
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 92UT122
Facility Status: Post remedial action monitoring
Global Id: T0605901386
Global ID: T0605901386

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FLUOR TECHNOLOGY, IN	3333 MICHELSON DR	W 1/4 - 1/2 (0.402 mi.)	C20	126
Database: ORANGE CO. LUST, Date of Government Version: 07/10/2019				
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Database: LUST, Date of Government Version: 09/09/2019				
Status: Completed - Case Closed				
Facility Id: 86UT241				
Facility Status: Case Closed				
Global Id: T0605900411				
Global ID: T0605900411				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC 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>
PARADISE CLEANERS	17595 HARVARD AVE	NNE 1/4 - 1/2 (0.327 mi.)	B18	118
Database: CPS-SLIC, Date of Government Version: 09/09/2019				
Facility Status: Completed - Case Closed				
Global Id: SLT8R0743957				
DRY CLEAN EXPRESS	17595 HARVARD AVENUE	NNE 1/4 - 1/2 (0.327 mi.)	B19	125
Database: SLIC REG 8, Date of Government Version: 04/03/2008				
Facility Status: Additional Characterization Underway				
RANCHO SAN JOAQUIN G	1 ETHEL COPLEN	SSE 1/4 - 1/2 (0.410 mi.)	22	138
Database: CPS-SLIC, Date of Government Version: 09/09/2019				
Facility Status: Completed - Case Closed				
Global Id: T10000002929				

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 2 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>
IRWD BLDG 10 Database: UST, Date of Government Version: 09/09/2019 Facility Id: FA0023971	3512 MICHELSON DR BL	0 - 1/8 (0.000 mi.)	A5	56
IRVINE RANCH WATER D Database: ORANGE CO. UST, Date of Government Version: 07/10/2019 Database: UST, Date of Government Version: 09/09/2019 Facility Id: FA0023971 Facility Id: 1705	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A6	56

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 is 1 AST 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>
Not reported Database: AST, Date of Government Version: 07/06/2016	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A7	57

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT 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>
ORANGE COUNTY-LANE R	LANE & CULVER RDS MI	ESE 1/4 - 1/2 (0.475 mi.)	28	152

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there

EXECUTIVE SUMMARY

is 1 HIST Cal-Sites 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>
AUDIO MAGNETICS CORP	2602 MICHELSON DR	WNW 1/2 - 1 (0.924 mi.)	F30	162

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 08/14/2019 has revealed that there 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>
MICHELSON WATER RECL	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A4	43
IRWD BLDG 10	3512 MICHELSON DR BL	0 - 1/8 (0.000 mi.)	A9	59
BOOMERS	3405 MICHELSON DR	0 - 1/8 (0.000 mi.)	A13	95
WESTERN DIGITAL	3355 MICHELSON DR	W 1/8 - 1/4 (0.214 mi.)	17	109

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>
MICHELSON WWRF Status: A Tank Status: A Comp Number: 1705	3512 MICHELSON DRIVE	0 - 1/8 (0.000 mi.)	A10	80

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 2 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>
MICHELSON RECLAMATIO Facility Id: 00000008834	3512 MICHELSON DRIVE	0 - 1/8 (0.000 mi.)	A1	9
MICHELSON RECLAMATIO Facility Id: 00000057818	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A3	42

EXECUTIVE SUMMARY

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 08/14/2019 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>
MICHELSON WATER RECL	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A4	43
IRWD BLDG 10	3512 MICHELSON DR BL	0 - 1/8 (0.000 mi.)	A9	59
PARK PLACE APARTMENT	3395 MICHELSON DR	W 0 - 1/8 (0.111 mi.)	14	100

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>
MICHELSON WATER RECL Facility Id: 30000538 Status: A	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A4	43

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA NonGen / NLR 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>
MICHELSON WATER RECY EPA ID:: CAL000387446	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A8	57

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/23/2019 has revealed that there is 1 Cortese 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>
SHELL OIL Cleanup Status: OPEN - SITE ASSESSMENT	3090 MAIN	N 1/4 - 1/2 (0.427 mi.)	D23	140

EXECUTIVE SUMMARY

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS 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>
MICHELSON RECLAMATIO Database: DRYCLEAN SOUTH COAST, Date of Government Version: 09/27/2019	3512 MICHELSON DRIVE	0 - 1/8 (0.000 mi.)	A1	9

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 5 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>
MICHELSON WATER RECL Reg Id: 083003423T	3512 MICHELSON DR	0 - 1/8 (0.000 mi.)	A4	43
IRVINE RANCH WATER D Reg Id: 083000440T	3512 MICHELSON	0 - 1/8 (0.000 mi.)	A12	93
UNOCAL #6404 Reg Id: 083002226T	18011 CULVER DR	SE 1/4 - 1/2 (0.470 mi.)	E25	146
CHEVRON #9-6698 Reg Id: 083001852T	18002 CULVER	SE 1/4 - 1/2 (0.498 mi.)	E29	153
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FLUOR CORPORATION Reg Id: 083000516T	3333 MICHELSON	W 1/4 - 1/2 (0.402 mi.)	C21	136

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 08/19/2019 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>
MALLINCKRODT MEDICAL EPA Id: CAD058231598 Cleanup Status: CLOSED	18691 JAMBOREE RD	W 1/2 - 1 (0.970 mi.)	G32	176

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

CARSON - 91 LLC

Database(s)

ENVIROSTOR

OVERVIEW MAP - 5865502.2S



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

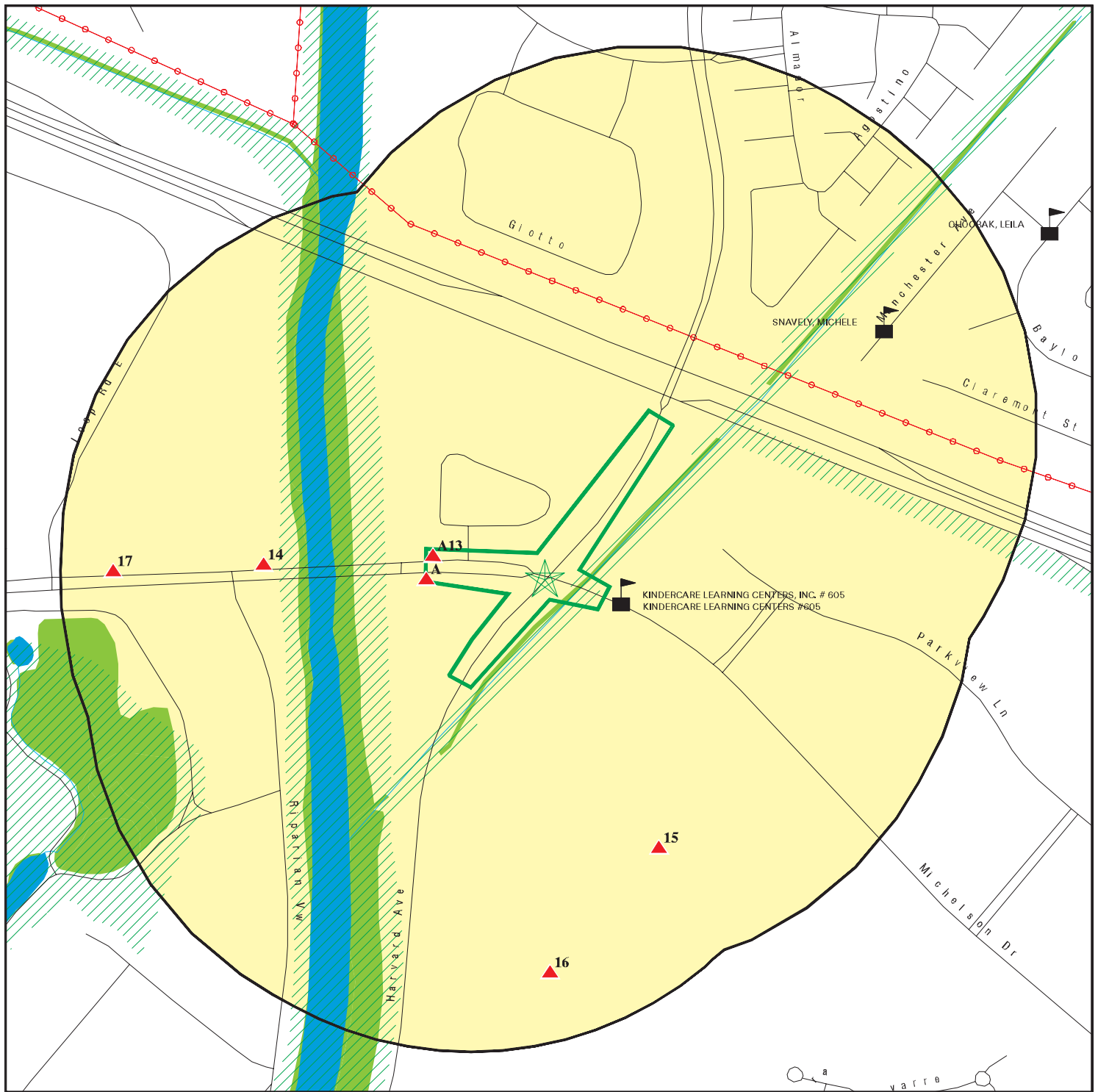
0 1/4 1/2 1 Miles

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: Harvard Avenue and Michelson Drive
ADDRESS: Harvard Avenue and Michelson Drive
Irvine CA 92612
LAT/LONG: 33.670583 / 117.833359

CLIENT: Stantec
CONTACT: Emily Medler
INQUIRY #: 5865502.2s
DATE: November 12, 2019 12:42 pm

DETAIL MAP - 5865502.2S



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

0 1/16 1/8 1/4 Miles

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: Harvard Avenue and Michelson Drive
ADDRESS: Harvard Avenue and Michelson Drive
Irvine CA 92612
LAT/LONG: 33.670583 / 117.833359

CLIENT: Stantec
CONTACT: Emily Medler
INQUIRY #: 5865502.2s
DATE: November 12, 2019 12:43 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		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<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		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	1	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	1	0	3	NR	4
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	1	0	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		3	0	6	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		0	0	3	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		3	1	NR	NR	NR	4
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		2	0	NR	NR	NR	2
CERS TANKS	0.250		3	0	NR	NR	NR	3
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	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		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1

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
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	0	3	NR	NR	5
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		0	21	4	14	7	0	46
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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>
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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 **MICHELSON RECLAMATION PLANT**
3512 MICHELSON DRIVE
IRVINE, CA 92715

< 1/8
1 ft.

HIST UST
CHMIRS
DRYCLEANERS
EMI

U001578510
N/A

Site 1 of 13 in cluster A

Relative:
Higher

Actual:
36 ft.

HIST UST:

Name: MICHELSON PLANT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
File Number: 0002EA0A
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EA0A.pdf>
Region: STATE
Facility ID: 00000008834
Facility Type: Other
Other Type: WATER DISTRICT
Contact Name: JOE GOULD
Telephone: 7148331223
Owner Name: IRVINE RANCH WATER DISTRICT
Owner Address: 3512 MICHELSON DR.
Owner City,St,Zip: IRVINE, CA 92715
Total Tanks: 0008

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

Tank Num: 003
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: #4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: #3
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: #4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: #4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 008
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

CHMIRS:

Name: Not reported
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92619-7000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

OES Incident Number:	8-0294
OES notification:	01/22/1998
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 Agncy 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:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not possible
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Irvine Ranch Water Dist.
Incident Date:	1/21/1998 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Treatment/Sewage Facility
E Date:	Not reported
Substance:	Chlorine
Gallons:	unk
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	8
Number of Injuries:	2
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

#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:	Leak in a hose between a truck and the storage tank dripped on the ground and turned to vapor. Workers on the roof had to evacuate. Two went to a unknown clinic, both were released.

DRYCLEAN SOUTH COAST:

Name:	IRVINE RANCH WATER DIST
Address:	3512 MICHELSON DR
City,State,Zip:	IRVINE, CA 92612
Facility ID:	3513
Application Number:	277284
Permit Number:	D70301
Status:	A
Representative Name:	JIM HYDE
Representative Telephone:	949 4535866
Permit Status:	INACTIVE
BCAT Number:	043902
BCAT Description:	I C E (>500 HP) EM ELEC GEN DIESEL
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	422.54998779
UTM North:	3725.7600098

EMI:

Name:	IRVINE RANCH WATER DIST
Address:	3512 MICHELSON DR
City,State,Zip:	IRVINE, CA 92715
Year:	1987
County Code:	30
Air Basin:	SC
Facility ID:	3513
Air District Name:	SC
SIC Code:	4941
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	41
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	IRVINE RANCH WATER DIST
Address:	3512 MICHELSON DR
City,State,Zip:	IRVINE, CA 92715
Year:	1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
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: 13
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 26
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 1993
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
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: 7
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 13
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 1995
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
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: 7
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 13
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: IRVINE RANCH WATER DIST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 1996
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
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: 26
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 1997
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 1998
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 1999
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 2000
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 2001
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

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: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 2005
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4941
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: .826245
Reactive Organic Gases Tons/Yr: .401610154
Carbon Monoxide Emissions Tons/Yr: 2.0485
NOX - Oxides of Nitrogen Tons/Yr: .6651
SOX - Oxides of Sulphur Tons/Yr: .02429
Particulate Matter Tons/Yr: .36546
Part. Matter 10 Micrometers and Smlr Tons/Yr: .36249816

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Year: 2008
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4952
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.180848945412306674
Reactive Organic Gases Tons/Yr: .69622936119
Carbon Monoxide Emissions Tons/Yr: 2.92
NOX - Oxides of Nitrogen Tons/Yr: .30620851
SOX - Oxides of Sulphur Tons/Yr: .01424853
Particulate Matter Tons/Yr: .2152287285
Part. Matter 10 Micrometers and Smlr Tons/Yr: .21395820396

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 2009
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4952
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

Total Organic Hydrocarbon Gases Tons/Yr: 1.43800650399171
Reactive Organic Gases Tons/Yr: 0.3771550000000002
Carbon Monoxide Emissions Tons/Yr: 0.5650100000000001
NOX - Oxides of Nitrogen Tons/Yr: 0.2423969
SOX - Oxides of Sulphur Tons/Yr: 3.249999999999999E-3
Particulate Matter Tons/Yr: 3.4283050000000002E-2
Part. Matter 10 Micrometers and Smlr Tons/Yr: 3.4118528699999998E-2

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Year: 2010
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4952
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: 2.0588735346713101
Reactive Organic Gases Tons/Yr: 0.4513499999999997
Carbon Monoxide Emissions Tons/Yr: 0.6955299999999998
NOX - Oxides of Nitrogen Tons/Yr: 0.1950699999999999
SOX - Oxides of Sulphur Tons/Yr: 3.5000000000000001E-3
Particulate Matter Tons/Yr: 5.673999999999999E-2
Part. Matter 10 Micrometers and Smlr Tons/Yr: 5.6413100000000001E-2

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Year: 2012
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4940
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.85890293872
Reactive Organic Gases Tons/Yr: 0.26234
Carbon Monoxide Emissions Tons/Yr: 0.95256
NOX - Oxides of Nitrogen Tons/Yr: 0.19447
SOX - Oxides of Sulphur Tons/Yr: 0.00440462
Particulate Matter Tons/Yr: 0.06148326
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.06113711124

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Year: 2013
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4952

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

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: 4.1895439069
Reactive Organic Gases Tons/Yr: 2.18476
Carbon Monoxide Emissions Tons/Yr: 1.0207
NOX - Oxides of Nitrogen Tons/Yr: 1.60204
SOX - Oxides of Sulphur Tons/Yr: 0.00436525
Particulate Matter Tons/Yr: 0.16282
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.16004284

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Year: 2015
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4952
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: 4.5274226125
Reactive Organic Gases Tons/Yr: 3.726145527
Carbon Monoxide Emissions Tons/Yr: 0.25477096
NOX - Oxides of Nitrogen Tons/Yr: 0.554367109
SOX - Oxides of Sulphur Tons/Yr: 0.001049786
Particulate Matter Tons/Yr: 0.038018538
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.037375812168

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Year: 2016
County Code: 30
Air Basin: SC
Facility ID: 3513
Air District Name: SC
SIC Code: 4952
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: 2.7867148517
Reactive Organic Gases Tons/Yr: 1.877698168
Carbon Monoxide Emissions Tons/Yr: 1.21908
NOX - Oxides of Nitrogen Tons/Yr: 0.3655425
SOX - Oxides of Sulphur Tons/Yr: 0.00105008
Particulate Matter Tons/Yr: 0.03284841
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.032338857

Name: IRVINE RANCH WATER DIST
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Year: 2017
County Code: 30
Air Basin: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578510

Facility ID: 3513
Air District Name: SC
SIC Code: 4952
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.8724424984
Reactive Organic Gases Tons/Yr: 1.896257
Carbon Monoxide Emissions Tons/Yr: 10.92374
NOX - Oxides of Nitrogen Tons/Yr: 0.83237
SOX - Oxides of Sulphur Tons/Yr: 0.00144498
Particulate Matter Tons/Yr: 0.043504
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0.042850504

A2

MICHELSON TREATMENT PLANT

**LUST
HAZNET
NPDES
CIWQS
CERS**

S105696114

**< 1/8
1 ft.**

**3512 MICHELSON
IRVINE, CA 92714**

N/A

Site 2 of 13 in cluster A

**Relative:
Higher
Actual:
36 ft.**

ORANGE CO. LUST:

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
Region: ORANGE
Facility Id: 87UT070
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 05/17/1995
Record ID: RO0002528

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Region: ORANGE
Facility Id: 99UT021
Released Substance: Regular gasoline; Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 07/26/2000
Record ID: RO0001583

Name: MICHELSON TREATMENT PLANT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92714
Region: ORANGE
Facility Id: 84UT015
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 02/04/1985
Record ID: RO0001039

Name: MICHELSON WATER RECLAMATION PLANT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Region: ORANGE
Facility Id: 03UT013
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4; Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 05/14/2004
Record ID: RO0003160

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

LUST REG 8:

Name:	MICHELSON TREATMENT PLANT
Address:	3512 MICHELSON
City:	IRVINE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported
Local Case Num:	84UT015
Case Type:	Undefined
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605931879
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	2/4/1985
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

LUST:

Name: MICHELSON WATER RECLAMATION PLANT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92612
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605995588
Global Id: T0605995588
Latitude: 33.670665
Longitude: -117.835595
Status: Completed - Case Closed
Status Date: 05/14/2004
Case Worker: JW
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 03UT013
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

LUST:

Global Id: T0605995588
Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

Global Id: T0605995588
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:

Global Id: T0605995588
Action Type: Other
Date: 03/10/2003
Action: Leak Discovery

Global Id: T0605995588
Action Type: ENFORCEMENT
Date: 03/18/2003
Action: Notice of Responsibility

Global Id: T0605995588
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Date: 05/14/2004
Action: Closure/No Further Action Letter

Global Id: T0605995588
Action Type: Other
Date: 03/10/2003
Action: Leak Reported

LUST:

Global Id: T0605995588
Status: Open - Case Begin Date
Status Date: 03/10/2003

Global Id: T0605995588
Status: Completed - Case Closed
Status Date: 05/14/2004

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92715
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900352
Global Id: T0605900352
Latitude: 33.660853
Longitude: -117.840514
Status: Completed - Case Closed
Status Date: 05/17/1995
Case Worker: JW
RB Case Number: 083000440T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 87UT070
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605900352
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605900352
Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

LUST:

Global Id: T0605900352
Action Type: Other
Date: 03/20/1987
Action: Leak Reported

Global Id: T0605900352
Action Type: ENFORCEMENT
Date: 05/17/1995
Action: Closure/No Further Action Letter

Global Id: T0605900352
Action Type: Other
Date: 03/20/1987
Action: Leak Discovery

LUST:

Global Id: T0605900352
Status: Open - Case Begin Date
Status Date: 03/20/1987

Global Id: T0605900352
Status: Completed - Case Closed
Status Date: 05/17/1995

Name: MICHELSON TREATMENT PLANT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92714
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605931879
Global Id: T0605931879
Latitude: 33.670665
Longitude: -117.835595
Status: Completed - Case Closed
Status Date: 02/04/1985
Case Worker: JW
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 84UT015
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605931879
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605931879

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

LUST:

Global Id: T0605931879
Action Type: ENFORCEMENT
Date: 02/04/1986
Action: Closure/No Further Action Letter

LUST:

Global Id: T0605931879
Status: Completed - Case Closed
Status Date: 02/04/1985

Global Id: T0605931879
Status: Open - Case Begin Date
Status Date: 02/04/1985

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92612
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902264
Global Id: T0605902264
Latitude: 33.660853
Longitude: -117.840514
Status: Completed - Case Closed
Status Date: 07/26/2000
Case Worker: JW
RB Case Number: 083003423T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 99UT021
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, Diesel
Site History: Not reported

LUST:

Global Id: T0605902264
Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

Global Id: T0605902264
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:

Global Id: T0605902264
Action Type: Other
Date: 03/03/1999
Action: Leak Discovery

Global Id: T0605902264
Action Type: Other
Date: 03/03/1999
Action: Leak Reported

Global Id: T0605902264
Action Type: ENFORCEMENT
Date: 06/26/2000
Action: LOP Case Closure Summary to RB

LUST:

Global Id: T0605902264
Status: Open - Case Begin Date
Status Date: 03/03/1999

Global Id: T0605902264
Status: Completed - Case Closed
Status Date: 07/26/2000

HAZNET:

Name: MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT VENTURE
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 926121757
Year: 2017
GEPAID: CAL000387446
Contact: DON DAHL
Telephone: 3109258837
Mailing Name: Not reported
Mailing Address: 5050 BUSINESS CENTER DR SUITE 250
Mailing City,St,Zip: FAIRFIELD, CA 945340000
Gen County: Orange
TSD EPA ID: AZR000501510
TSD County: 99
Tons: 0.125
CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

Name: MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT VENTURE
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 926121757
Year: 2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

GEPAID: CAL000387446
Contact: DON DAHL
Telephone: 3109258837
Mailing Name: Not reported
Mailing Address: 5050 BUSINESS CENTER DR SUITE 250
Mailing City,St,Zip: FAIRFIELD, CA 945340000
Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Tons: 0.114
CA Waste Code: 221-Waste oil and mixed oil
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Facility County: Orange

Name: MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT VENTURE
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 926121757
Year: 2015
GEPAID: CAL000387446
Contact: DON DAHL
Telephone: 3109258837
Mailing Name: Not reported
Mailing Address: 5050 BUSINESS CENTER DR SUITE 250
Mailing City,St,Zip: FAIRFIELD, CA 945340000
Gen County: Orange
TSD EPA ID: AZD081705402
TSD County: 99
Tons: 0.15
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

Name: MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT VENTURE
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 926121757
Year: 2015
GEPAID: CAL000387446
Contact: DON DAHL
Telephone: 3109258837
Mailing Name: Not reported
Mailing Address: 5050 BUSINESS CENTER DR SUITE 250
Mailing City,St,Zip: FAIRFIELD, CA 945340000
Gen County: Orange
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.15
CA Waste Code: 343-Unspecified organic liquid mixture
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

Name: MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT VENTURE
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 926121757
Year: 2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

GEPAID: CAL000387446
Contact: DON DAHL
Telephone: 3109258837
Mailing Name: Not reported
Mailing Address: 5050 BUSINESS CENTER DR SUITE 250
Mailing City,St,Zip: FAIRFIELD, CA 945340000
Gen County: Orange
TSD EPA ID: CAL000330453
TSD County: Los Angeles
Tons: 0.1
CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

NPDES:

Name: MICHELSON WATER RECYCLING PLANT BIOSOLIDS FACILITY
Address: 3512 MICHELSON DRIVE
City,State,Zip: IRVINE, CA 92612
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 8 30C367050
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: 07/09/2013
Operator Name: Irvine Ranch Water District
Operator Address: PO Box 57000
Operator City: Irvine
Operator State: California
Operator Zip: 92619

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 8
Regulatory Measure ID: 419671
Order Number: Not reported
Regulatory Measure Type: Construction

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Place ID:	Not reported
WDID:	8 30C367050
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:	06/28/2013
Processed Date:	07/09/2013
Status:	Active
Status Date:	07/09/2013
Place Size:	37
Place Size Unit:	Acres
Contact:	Steve Malloy
Contact Title:	Principal Engineer
Contact Phone:	949-453-5570
Contact Phone Ext:	Not reported
Contact Email:	malloy@irwd.com
Operator Name:	Irvine Ranch Water District
Operator Address:	PO Box 57000
Operator City:	Irvine
Operator State:	California
Operator Zip:	92619
Operator Contact:	Kevin Burton
Operator Contact Title:	Executive Director of Engineering
Operator Contact Phone:	949-453-5594
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	burton@irwd.com
Operator Type:	Special District
Developer:	Filanc Balfour Beatty Joint Venture
Developer Address:	740 North Andreasen Drive
Developer City:	Escondido
Developer State:	California
Developer Zip:	92029
Developer Contact:	Christine Ludlow
Developer Contact Title:	SWPPP Coordinator
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:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Constype Utility Description:	Water Recycling Facility
Constype Utility Ind:	Y
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Kevin Burton
Certifier Title:	Executive Director of Engineering
Certification Date:	28-JUN-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	419671
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30C367050
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/09/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Irvine Ranch Water District
Discharge Address:	PO Box 57000
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92619
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

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: MICHELSON WATER RECYCLING PLANT BIOSOLIDS FACILITY
Address: 3512 MICHELSON DRIVE
City,State,Zip: IRVINE, CA 92612
Facility Status: Active
NPDES Number: CAS000002
Region: 8
Agency Number: 0
Regulatory Measure ID: 419671
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 8 30C367050
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 07/09/2013
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: PO Box 57000
Discharge Name: Irvine Ranch Water District
Discharge City: Irvine
Discharge State: California
Discharge Zip: 92619
Status: Not reported
Status Date: Not reported
Operator Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

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:	8
Regulatory Measure ID:	419671
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 30C367050
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:	06/28/2013
Processed Date:	07/09/2013
Status:	Active
Status Date:	07/09/2013
Place Size:	37
Place Size Unit:	Acres
Contact:	Steve Malloy
Contact Title:	Principal Engineer
Contact Phone:	949-453-5570
Contact Phone Ext:	Not reported
Contact Email:	malloy@irwd.com
Operator Name:	Irvine Ranch Water District
Operator Address:	PO Box 57000
Operator City:	Irvine
Operator State:	California
Operator Zip:	92619
Operator Contact:	Kevin Burton
Operator Contact Title:	Executive Director of Engineering
Operator Contact Phone:	949-453-5594
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	burton@irwd.com
Operator Type:	Special District
Developer:	Filanc Balfour Beatty Joint Venture
Developer Address:	740 North Andreasen Drive
Developer City:	Escondido
Developer State:	California
Developer Zip:	92029
Developer Contact:	Christine Ludlow
Developer Contact Title:	SWPPP Coordinator
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

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:	Water Recycling Facility
Constype Utility Ind:	Y
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Kevin Burton
Certifier Title:	Executive Director of Engineering
Certification Date:	28-JUN-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	419671
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30C367050
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/09/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Irvine Ranch Water District
Discharge Address:	PO Box 57000
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92619
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

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:	MICHELSON WATER RECYCLING PLANT BIOSOLIDS FACILITY
Address:	3512 MICHELSON DRIVE
City,State,Zip:	IRVINE, CA 92612
Agency:	Irvine Ranch Water District
Agency Address:	PO Box 57000, Irvine, CA 92619
Place/Project Type:	Construction - Utility: Water Recycling Facility
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

WDID: 8 30C367050
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 07/09/2013
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: 33.66594
Longitude: -117.83955

Name: MICHELSON WATER RECYCLING PLANT PH 2 EXPANSION
Address: 3512 MICHELSON DRIVE
City,State,Zip: IRVINE, CA 92612
Agency: Irvine Ranch Water District
Agency Address: PO Box 57000, Irvine, CA 92619
Place/Project Type: Construction - Utility: Wastewater Reclamation Plant
SIC/NAICS: Not reported
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 30C356627
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/30/2009
Termination Date: 05/20/2014
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: 33.661746
Longitude: -117.83957

CERS:

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92612
Site ID: 189429
CERS ID: T0605900352
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 Main Street, Suite 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517823238

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92612
Site ID: 189429
CERS ID: T0605902264
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 Main Street, Suite 500
Affiliation City: RIVERSIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517823238

Name: MICHELSON TREATMENT PLANT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92714
Site ID: 204660
CERS ID: T0605931879
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Environmental Contact
Entity Name: CINDY BECK
Entity Title: ENVIRONMENTAL COMPLIANCE SPECIALIST
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: KEN ERWIN
Entity Title: DISTRICT SAFETY 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: Regional Board Caseworker
Entity Name: CARL BERNHARDT SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NANCY OLSON MARTIN SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM E MBEKE EKANEM SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: IRVINE RANCH WATER DISTRICT
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: KENNETH ERWIN
Entity Title: DISTRICT SAFETY & SECURITYMANAGER
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: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT ORNG CNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTAANA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MARK GINGRAS
Entity Title: OPERATIONS 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: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

Name: MICHELSON TREATMENT PLANT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92714
Site ID: 204660
CERS ID: 110065436102
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Environmental Contact
Entity Name: CINDY BECK
Entity Title: ENVIRONMENTAL COMPLIANCE SPECIALIST
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: KEN ERWIN
Entity Title: DISTRICT SAFETY 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: Regional Board Caseworker
Entity Name: CARL BERNHARDT SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
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

MICHELSON TREATMENT PLANT (Continued)

S105696114

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NANCY OLSON MARTIN SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TOM E MBEKE EKANEM SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: IRVINE RANCH WATER DISTRICT
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: KENNETH ERWIN
Entity Title: DISTRICT SAFETY & SECURITYMANAGER
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: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT ORNG CNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTAANA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: MARK GINGRAS
Entity Title: OPERATIONS MANAGER
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

MICHELSON TREATMENT PLANT (Continued)

S105696114

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

Name: MICHELSON WATER RECLAMATION PLANT
Address: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92612
Site ID: 243454
CERS ID: T0605995588
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 Main Street, Suite 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517823238

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Name: MICHELSON WATER RECYCLING PLANT BIOSOLIDS FACILITY
Address: 3512 MICHELSON DRIVE
City,State,Zip: IRVINE, CA 92612
Site ID: 536911
CERS ID: 823639
CERS Description: Construction Storm Water

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-06-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Regional Board staff met with QSD Christine Ludlow (Project Engineer, Filanc) and QSP Hernan Gomez (Environmental Health and Safety, Balfour Beatty). The QSP escorted Regional Board staff around the site.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON TREATMENT PLANT (Continued)

S105696114

Activity was limited to vertical construction, installation of pipes, and equipment testing. Straw wattle was installed along the unpaved parking area. Concrete rinse water was contained in a plastic-lined earthen basin. Good housekeeping practices were being implemented at the site. Solid concrete waste was contained in waste bins. Trash was contained in the on-site bin, which was reported to be covered at the end of each work day. Portable toilets were fitted with secondary containment. The material storage yard was clean. Two spill kits were reported to be on-site and a street sweeper was reported to operate on a daily basis. After observing site conditions, Regional Board staff met with the QSD for a review of SWPPP documents. Site inspections were being conducted as required by the Construction General Permit, and inspection reports were maintained on-site. The SWPPP identified parties responsible for implementing requirements of the Construction General Permit. Sampling equipment was reported to be stored in the on-site construction trailer and calibrated prior to sampling events. No further action at this time.

Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Irvine Ranch Water District
Entity Title: Operator
Affiliation Address: PO Box 57000
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92619
Affiliation Phone: Not reported

A3 MICHELSON RECLAMATION PLANT
3512 MICHELSON DR
IRVINE, CA 92715

HIST UST U001578511
N/A

< 1/8
1 ft.

Site 3 of 13 in cluster A

Relative:
Higher

HIST UST:

Actual:
36 ft.

Name: MICHELSON RECLAMATION PLANT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92715
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000057818
Facility Type: Other
Other Type: UTILITY
Contact Name: JOHN WALTER
Telephone: 7148331223
Owner Name: IRVINE RANCH WATER DIST.
Owner Address: 1880I BARDEEN AVE.
Owner City,St,Zip: IRVINE, CA 92716
Total Tanks: 0003

Tank Num: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON RECLAMATION PLANT (Continued)

U001578511

Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

A4

MICHELSON WATER RECLAMATION PLANT
3512 MICHELSON DR
IRVINE, CA 92612

< 1/8
1 ft.

Site 4 of 13 in cluster A

LUST
CERS HAZ WASTE
CA FID UST
CERS TANKS
HIST CORTESE
CERS

S101609665
N/A

Relative:
Higher

Actual:
36 ft.

LUST REG 8:

Name: MICHELSON WATER RECLAMATION PLANT
Address: 3512 MICHELSON DR
City: IRVINE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: Not reported
Local Case Num: 03UT013
Case Type: Soil only
Substance: 12034,800661
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: NOR
Funding: Not reported
How Discovered: UM
How Stopped: NPP
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605995588
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Date Preliminary Assessment Began:	Not reported
Discover Date:	3/10/2003
Enforcement Date:	Not reported
Close Date:	5/14/2004
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	ND
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	6/16/2003
Max MTBE GW:	0
MTBE Concentration:	0
Max MTBE Soil:	2730
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

CERS HAZ WASTE:

Name:	FILANC BALFOUR & BEATTY
Address:	3512 MICHELSON DR
City,State,Zip:	IRVINE, CA 92612
Site ID:	413330
CERS ID:	10718395
CERS Description:	Hazardous Waste Generator

CA FID UST:

Facility ID:	30000538
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7144767666
Mail To:	Not reported
Mailing Address:	3512 MICHELSON
Mailing Address 2:	Not reported
Mailing City,St,Zip:	IRVINE 92715
Contact:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CERS TANKS:

Name: FILANC BALFOUR & BEATTY
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 413330
CERS ID: 10718395
CERS Description: Aboveground Petroleum Storage

HIST CORTESE:

edr_fname: IRVINE RANCH WATER DISTRI
edr_fadd1: 3512
City,State,Zip: IRVINE, CA 92612
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083003423T

CERS:

Name: MICHELSON WATER RECLAMATION PLANT DOSING TANK
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 375277
CERS ID: 10687459
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 375277
Site Name: Michelson Water Reclamation Plant Dosing Tank
Violation Date: 05-04-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: The employee training section of the plan for safe handling of hazardous materials has not been adequately completed. This site does not meet the exemption for an unstaffed facility and is required to provide training and describe in this section how this is administered. Revise this section of the business plan and submit documentation demonstrating employees have received training on safe handling of hazardous materials.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375277
Site Name: Michelson Water Reclamation Plant Dosing Tank
Violation Date: 05-04-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Violation Description: 6.95, Section(s) 25508(a)(1)
Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: The Business Activities page has not been completed accurately, hazardous wastes are not generated at the site. Complete the Business Activities page and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375277
Site Name: Michelson Water Reclamation Plant Dosing Tank
Violation Date: 05-04-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Applicable training documentation for all applicable employees was not available. Submit documentation demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-28-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed submissions on CERS. 7-22-16 facility info - accepted. 7-22-16 inventory - not accepted - site map must identify locations of: emergency shut offs (water shut off, natural gas shut off, electrical panel0, nearest fire hydrant, fire risers, fire department connections, storm drains, sewer drains, and evacuation staging area. 7-22-16 plans - accepted. Note: A01 was conducted last year. Facility does not have a HW PE yet declared HW generator on its business activities. Checked EPA ID number - number is for OCSD Ellis Ave. and inactive.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Walked through the facility and around the perimeter. There has been no change in the hazardous materials inventory since the last inspection and or site review. No hazardous wastes were observed to be stored at the site - based on the 2018 California Electronic Reporting System disclosure certification. The employee training records were not available for review.
Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-01-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed 2018 CERS re-submittal based on previous comments and an inspection performed on 5/4/18. Accepted the Facility Information with a note - Please add the following note in the "Additional Comments" section on the "Business Activities" page, so we can clearly identify what is taking place at this site: "The FV Main Facility EPA ID# is listed for the facility because the waste is a small volume of RCRA exempt waste, which employees transport back to FV for consolidation & disposal under the FV ID#. The FV site has filed in CERS as a Remote Waste Consolidation site." Please note the inventory still needs to be corrected to show two entries - one for the material in the tank and one for the waste that is generated. Accepted Emergency Response/Contingency and Training Plans

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-18-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow-up on three previous violations cited for the facility on 5/4/18 for the Hazardous Materials Program. Based on a review of the California Environmental Reporting System (CERS), the site has initiated the annual certification for 2018. However, revisions are required in order to complete the submittal. See comments in CERS. As a result, two of the three violations cited has been corrected. The remaining violation includes: #1239 - For the failure to provide training related to the Hazardous Materials being stored at the facility and the Business Plan. Documentation of annual and initial (new) employee training must be provided to this office via email or mail by 7/3/18.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Safety & Health Representative, Heather Davis at 9:15 am. Walked the site with Ms. Davis and observed the hazardous material storage areas throughout the waste water treatment site and the following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Ferric Chloride = 8500 gallons It is an un-manned site. Business emergency plan was present on site. Emergency response equipment and spill kits were present on-site and serviced. Annual employee training records were emailed to me by Ms. Davis. The facility is responsible for

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Corrected previous violations.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Document Preparer
Entity Name: John Frattali
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: Operator
Entity Name: Orange County Sanitation District
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 593-7025

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 10844 Ellis Avenue
Affiliation City: Fountain Valley
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92708
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Affiliation Type Desc: Identification Signer
Entity Name: John Frattali
Entity Title: Senior Safety and Health Representative
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: Property Owner
Entity Name: IRVINE RANCH WATER DISTRICT
Entity Title: Not reported
Affiliation Address: 3512 Michelson Drive
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612
Affiliation Phone: (949) 453-5300

Affiliation Type Desc: Environmental Contact
Entity Name: John Frattali
Entity Title: Not reported
Affiliation Address: 10844 Ellis Avenue
Affiliation City: Fountain Valley
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92708
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Orange County Sanitation District
Entity Title: Not reported
Affiliation Address: 10844 Ellis Avenue
Affiliation City: Fountain Valley
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92708
Affiliation Phone: (714) 593-7025

Affiliation Type Desc: Parent Corporation
Entity Name: Orange County Sanitation District
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: FILANC BALFOUR & BEATTY
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 413330
CERS ID: 10718395
CERS Description: Chemical Storage Facilities

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Violations:

Site ID: 413330
Site Name: FILANC BALFOUR & BEATTY
Violation Date: 09-27-2017
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 prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan.
Violation Notes: Returned to compliance on 10/11/2017. Facility provided an undated and unsigned SPCC plan for inspection. Plan was also not current. Prepare a SPCC plan. Submit a copy of the certified and up to date plan to this Agency within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 413330
Site Name: FILANC BALFOUR & BEATTY
Violation Date: 05-29-2019
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 were not available for review at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for 2019 and submit copies to the CUPA.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413330
Site Name: FILANC BALFOUR & BEATTY
Violation Date: 09-27-2017
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 include in the SPCC plan and document discharge prevention briefings for oil-handling personnel at least once a year, including, but not limited to, known discharges, failures, and malfunctioning components.
Violation Notes: Returned to compliance on 10/11/2017. facility employee SPCC annual briefing / training is overdue. Complete and submit your training completion record to this Agency within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: APSA
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine above ground petroleum storage tank (APST) inspection. Paul Mayans, EHS representative, was present for the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

inspection and provided consent to inspect. This facility is regulated under the Above Ground Storage Act (APSA). There is equal to or greater than 1,320 of regulated petroleum products in drums or tanks sized 55 gallons or larger on site. The facility had regulated petroleum storage in an AST, drums, and two tank mounted trucks. SPILL CONTROL: The bulk petroleum storage secondary containment was inspected. Secondary containment and spill response materials were observed. INSPECTIONS: Daily SPCC inspection records were provided for inspection. We discussed the SPCC inspections and record keeping. EMPLOYEE TRAINING: The annual training of the facility's oil handling personnel in the SPPC plan was discussed.

Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received a copy of the facility's SPCC plan, self certified and dated 9-29-17, along with a copy of the facility's employee sign in sheet for its 10-2-17 SPCC plan annual refresher training. The violations (I085, I394) cited in the 9-27-17 inspection report were corrected.

Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review 2015 HMBEP. Rejected: 1) All compressed gases need to have the 'above ambient' storage pressure box checked on the chemical inventory page. 2) You need to show where each of the listed chemicals are located on the map. Make the requested changes and re submit for re evaluation.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-02-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UPDATED PE TO 7112
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-26-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed submissions in CERS. 2-6-18 facility - accepted. 2-6-18 inventory - not accepted. > ALL INVENTORY FORMS- CalEPA replaced the previous (5) federal hazard categories with twenty-four (24) new

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

federal hazard categories. Please un-check boxes for the federal hazard categories that are marked ?Obsolete? - and use the new choices for your selection. Note: To identify a material?s federal hazard categories ? reference the safety data sheet?s ?section ? hazard identification? . ALL INVENTORY FORMS - Identify fire code hazard classes. > oxygen - Please confirm storage temperature. > sealant - solids must be reported in pounds (not gallons). Please convert quantities. If below its reporting threshold of 500 pounds - no need to report. >Diesel - Confirm maximum daily amount on site. What's the maximum amount of diesel that s on site during the year if all containers are full? Ex: If you have one 1500 gallon container of diesel on site and its full - then the maximum [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-28-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes:

Arrived and checked in at the Irvine Ranch Water District security desk. Met with Mr. Richard Lao, Analyst, Irvine Ranch Water District and walked over to meet with Mr. Jim Buckley, General Superintendent, Filanc. The previous contact Paul Mayans, EHS, Filanc, was no longer at the site. Mr. Buckley confirmed that all the hazardous wastes that had been stored at the site has been removed. Mr. Buckley was not able to escort me to the site to confirm the wastes were gone. I requested copies of all of the hazardous waste manifests for 2019, Mr. Buckley did not have access to the manifests. Please email copies of the manifests to this office within 30 days for review. Within 30 days please notify this office in order to arrange a close-out inspection to confirm the status. The business has an Emergency Response Plan for the Contingency Plan.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-03-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes:

file review From: Dong, Alvin Sent: Wednesday, June 03, 2015 9:07 AM To: 'Zuniga@irwd.com'; Escobedo, Marco Cc: MPalazzola@ochca.com Subject: RE: AGT Hi Emilyn, Your overall site inspector is Marco Escobedo. The contractor has made a submission in eSubmit. An updated submission is required because the site map will be different & the hazardous materials may have changed from the prior submission. You may, at your discretion submit Please contact Marco Escobedo, 714 586 6185, for further information. Thanks, Alvin Dong Hazardous Waste Specialist Environmental Health Division 714 640-9358 voice 714 754 1768 fax From: Emilyn Zuniga [mailto:Zuniga@irwd.com] Sent: Wednesday, June 03, 2015 7:21 AM To: Dong, Alvin Subject: Fwd: AGT Good morning Alvin. My name is Emilyn Zuniga and I'm the Safety and Security Manager for the Irvine Ranch Water District. I replaced Ken Erwin. My co worker, Rudy Perez referred me to you. Our [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 06-18-2016

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Reviewed HMBEP. Accepted.

Eval Division: Orange County Environmental Health

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 09-09-2015

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: FA0064555 FILANC BALFOUR & BEATTY 3512 MICHELSON DR IRVINE 92612

Inspected facility with Hernan Gomez, who provided consent to perform an inspection and take pictures as necessary. Hazardous waste container(s) is/are marked: ?HAZARDOUS WASTE?, name and address of business, contents, physical state, hazardous property and initial accumulation date. Reviewed hazardous waste disposal receipts/manifests for prior three years. Verified a copy of the uniform hazardous waste manifest is mailed to the state within 30 days of hazardous waste disposal. Verified all universal wastes (fluorescent lamps, high intensity discharge lamps, batteries, etc.) are managed appropriately. copy to: hgomez@bbius.com

Eval Division: Orange County Environmental Health

Eval Program: HW

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 09-09-2015

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Inspected facility with Hernan Gomez. Reviewed daily inspection log for the above ground tanks which appeared free of spills or leaks.

copy to: hgomez@bbius.com

Eval Division: Orange County Environmental Health

Eval Program: APSA

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 09-09-2015

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: Inspected facility with Hernan Gomez. Verified hazardous materials submission which was declined. Please consolidate duplicate hazardous materials submissions. Please add: Resin Cure, Form Release and the compressed Nitrogen and liquid Nitrogen from your Subs. The information is used to assist the fire department to identify various chemical hazards located on a property--regardless of the individual tenants. copy to: hgomez@bbius.com

Eval Division: Orange County Environmental Health

Eval Program: HMRRP

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Eval Date: 09-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Paul Mayans, EHS representative, was present for the inspection and provided consent to inspect. The facility's operations and the waste generated were discussed. The inspection included a drive through the back lot. I did not observe hazardous waste in the facility's trash or as run off on the ground. The storage of the shop's hazardous waste was inspected. The most recent manifests for the removal of the facility's hazardous waste were on site and available for inspection. The records were reviewed. We discussed maintaining the hazardous waste removal documentation for 3 years from the date of removal and have available for inspection. The facility had written spill response directions and emergency contact numbers on site for their employees.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials chemical inventory and business emergency plan (HMBP) inspection. Paul Mayans, EHS representative, was present for the inspection and provided consent to inspect. The inspection was to confirm the facility's electronic hazardous materials disclosure and business plan. We reviewed the facility's Hazardous material inventory on site. We reviewed the locations of the required items to be mapped. We discussed the facility's use of CERS (California Environmental Reporting System) for their electronic HMBP submissions. Improvements to the facility's site map were discussed. Facility reported to conduct annual employee safety procedure training in the event of a release or a threatened release of hazardous material and will begin keeping records of topics covered and employees trained.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 413330
Facility Name: FILANC BALFOUR & BEATTY
Env Int Type Code: APSA
Program ID: 10718395
Coord Name: Not reported
Ref Point Type Desc: Entrance point of a facility or station
Latitude: 33.664598
Longitude: -117.839200

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: FILANC BALFOUR & BEATTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6000
Affiliation Type Desc:	Document Preparer
Entity Name:	Hernan Gomez
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:	Paul Mayans
Entity Title:	Not reported
Affiliation Address:	3512 Michelson Dr
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91612
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Paul Mayans
Entity Title:	EHS Representative
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:	220 Technology Drive Ste 210
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91618
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	FILANC BALFOUR & BEATTY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECLAMATION PLANT (Continued)

S101609665

Entity Title: Not reported
Affiliation Address: 3512 MICHELSON DR
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92618
Affiliation Phone: (949) 743-2530

Affiliation Type Desc: Operator
Entity Name: Filanc Balfour Beatty (FBB)
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: (949) 743-2530

A5
IRWD BLDG 10
3512 MICHELSON DR BLDG 10
IRVINE, CA 92612

UST U004274202
N/A

< 1/8
1 ft.

Site 5 of 13 in cluster A

Relative:
Higher

UST:

Actual:
36 ft.

Name: IRWD BLDG 10
Address: 3512 MICHELSON DR BLDG 10
City,State,Zip: IRVINE, CA 92612
Facility ID: FA0023971
Permitting Agency: Orange County Environmental Health
Latitude: 33.67063
Longitude: -117.83451

A6
IRVINE RANCH WATER DISTRICT
3512 MICHELSON DR
IRVINE, CA 92612

UST U003913366
N/A

< 1/8
1 ft.

Site 6 of 13 in cluster A

Relative:
Higher

ORANGE CO. UST:

Actual:
36 ft.

Name: IRWD - MICHELSON WATER RECLAMATION PLANT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Facility ID: FA0023971

UST:

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Facility ID: 1705
Permitting Agency: ORANGE COUNTY
Latitude: 33.67064
Longitude: -117.83543

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A7

< 1/8
1 ft.

3512 MICHELSON DR
IRVINE, CA

Site 7 of 13 in cluster A

AST A100340612
N/A

Relative:
Higher

AST:

Actual:
36 ft.

Name: Not reported
Address: 3512 MICHELSON DR
City/Zip: IRVINE,
Certified Unified Program Agencies: Orange
Owner: IRWD
Total Gallons: 1,320
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

A8

< 1/8
1 ft.

MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEA
3512 MICHELSON DR
IRVINE, CA 92612

Site 8 of 13 in cluster A

RCRA NonGen / NLR 1024839451
CAL000387446

Relative:
Higher

RCRA NonGen / NLR:

Actual:
36 ft.

Date form received by agency: 2013-07-16 00:00:00.0
Facility name: MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT VENTURE
Facility address: 3512 MICHELSON DR
IRVINE, CA 92612-1757
EPA ID: CAL000387446
Mailing address: 5050 BUSINESS CENTER DR SUITE 250
FAIRFIELD, CA 94534-0000
Contact: DON DAHL
Contact address: 5050 BUSINESS CENTER DR STE 250
FAIRFIELD, CA 94534
Contact country: Not reported
Contact telephone: 310-925-8837
Contact email: DDAHL@BBIIUS.COM
EPA Region: 09
Classification: Non-Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WATER RECYCLING PLANT FILANC BALFOUR BEATTY JOINT (Continued)

1024839451

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DON DAHL
Owner/operator address: 5050 BUSINESS CENTER DR STE 250
FAIRFIELD, CA 94534

Owner/operator country: Not reported
Owner/operator telephone: 310-925-8837
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BALFOUR BEATTY INFRASTRUCTURE INC
Owner/operator address: 5050 BUSINESS CENTER DR STE 250
FAIRFIELD, CA 94534

Owner/operator country: Not reported
Owner/operator telephone: 707-427-8900
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A9
< 1/8
1 ft.

IRWD BLDG 10
3512 MICHELSON DR BLDG 10
IRVINE, CA 92612

CERS HAZ WASTE
CERS TANKS
CERS

S123514722
N/A

Site 9 of 13 in cluster A

Relative:
Higher
Actual:
36 ft.

CERS HAZ WASTE:

Name: IRWD BLDG 10
Address: 3512 MICHELSON DR BLDG 10
City,State,Zip: IRVINE, CA 92612
Site ID: 381366
CERS ID: 10512361
CERS Description: Hazardous Waste Generator

Name: IRWD BLDG 10
Address: 3512 MICHELSON DR BLDG 10
City,State,Zip: IRVINE, CA 92612
Site ID: 381366
CERS ID: 10512361
CERS Description: RCRA LQ HW Generator

CERS TANKS:

Name: IRWD BLDG 10
Address: 3512 MICHELSON DR BLDG 10
City,State,Zip: IRVINE, CA 92612
Site ID: 381366
CERS ID: 10512361
CERS Description: Underground Storage Tank

Name: IRWD BLDG 10
Address: 3512 MICHELSON DR BLDG 10
City,State,Zip: IRVINE, CA 92612
Site ID: 381366
CERS ID: 10512361
CERS Description: Aboveground Petroleum Storage

CERS:

Name: IRWD BLDG 10
Address: 3512 MICHELSON DR BLDG 10
City,State,Zip: IRVINE, CA 92612
Site ID: 381366
CERS ID: 10512361
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 04-10-2014
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 04/10/2014. Multiple hazardous waste containers had labels that did not note 1 or both of the physical state or hazardous properties. This violation was corrected during the inspection and no further action is required. Please insure that all hazardous waste containers are labeled with the hazard properties and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

the physical state.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 04-10-2014
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 04/10/2014. 1) 55 gallon drum of aerosol cans was labeled, but failed to indicate the beginning accumulation date. This violation was corrected on site during the inspection, and no further action s required. Please insure that all hazardous waste containers are labeled with an accumulation start date when hazardous waste begins to be placed in the container.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 03-31-2016
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: Returned to compliance on 03/23/2017. The most recent UST submittal in the E-Submit Portal dated 5/22/15 was reviewed and REJECTED on 1/23/16. Please log into the system and make the following changes (and any other revisions requested by the document reviewer): For ?Regular Unleaded? tank Operating Permit Application- Tank Information V. Product/Waste Piping Construction - Secondary Containment = FLEXIBLE VI. Vent Vapor Recovery and Riser/Fill Pipe Piping Construction - VR Secondary Containment = FIBERGLASS - Riser Primary Containment = STEEL - Riser Secondary Containment = FIBERGLASS VIII. Corrosion Protection - Steel Component Protection = ISOLATION For ?Diesel? tank Operating Permit Application- Tank Information V. Product/Waste Piping Construction - Primary Containment = FLEXIBLE - Secondary Containment = FLEXIBLE VI. Vent Vapor Recovery and Riser/Fill Pipe Piping Construction - Vent Primary Containment = FIBERGLASS - Vent Secondary Containment = FIBERGLASS - Riser Primary Containment [Truncated]

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 03-30-2017
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Violation Notes: including leaks, spills, and/or overfills.
Returned to compliance on 03/30/2017. Gasoline UST Spill Bucket did not pass testing. Repair and re-test and send the results to this Agency within thirty (30) days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 03-27-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. Observed spill bucket that did not hold 5 gallons for the unleaded gasoline tank. CORRECTIVE ACTION: Install or repair spill buckets to meet all of the listed requirements, have tightness tested using approved method, by certified UST service technician, and submit documentation to verify compliance. [Truncated]

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 10-06-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 01/21/2017.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Violation Date: 04-10-2014
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 04/17/2015. The designated operator monthly inspections for March did not document the fuel alarm in the diesel fill sump that has been in alarm since 2/28/14. The DO has been utilizing an alarm log in accordance with 23CCR 2715, although the log failed to document the alarm. The alarm is documented on the alarm history that is obtained from the monitor. The designated operator has submitted a copy of the April 2014 monthly report that acknowledges the alarm. This violation has been corrected. No further corrective action is required.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 10-06-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/21/2017. Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During the months of August and December of 2013, the OC CUPA sent out letters to regulated businesses requesting them to electronically submit their HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to www.esubmit.ocgov.com to request a username and password and submit your HMD/BEP forms within the next 30 days. Businesses may also submit forms via the California Environmental Reporting System. Please verify that all owner information that is prepopulated on the E-Submit Portal is still [Truncated]
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 381366
Site Name: IRWD BLDG 10
Violation Date: 06-23-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 06/12/2017. Minor Violation: Failure to complete and/or electronically submit a Hazardous Materials Business Plan (HMBP) when storing and/or handling hazardous materials at or above the reportable threshold quantity. Observation: Observed hazardous materials in reportable quantities during today's inspection. Corrective Action: Immediately complete an HMBP and submit it electronically to the California Environmental Reporting System (CERS). The HMBP consists of the following: emergency response plans & procedures, a site map, and annual employee training related to hazardous materials handling. Maintain annual employee training records for 3 years (sign-in sheet documenting the names of employees trained, the date they were trained, and the subject matter that they were trained on).

Violation Division: Orange County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Site ID: 381366

Site Name: IRWD BLDG 10

Violation Date: 06-15-2017

Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34

Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)?: 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment?: 3) Lamps shall be marked with ?Universal Waste-Lamp(s)?: 4)Each electronic devices or the container or the designated area shall be marked with ?Universal Waste-Electronic Device(s)?: 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)?: 6) CRT glass or the designated area shall be marked with ?Universal Waste-CRT glass?.

Violation Notes: Returned to compliance on 08/15/2017. Universal Waste light tubes were not properly stored or labeled. Store Universal Waste lamp tubes in non-leaking compatible containers and properly label the storage containers as Universal Waste. Provide documentation to OC CUPA when properly stored and labeled.

Violation Division: Orange County Environmental Health

Violation Program: HW

Violation Source: CERS

Site ID: 381366

Site Name: IRWD BLDG 10

Violation Date: 06-15-2017

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Violation Notes: leak.
Returned to compliance on 08/15/2017. Hazardous Waste containers in the Fleet Storage area and in the Fleet work area were observed to not be securely closed when not in use. Secure the drum lids in the storage cage and in the Fleet area and provide documentation to OC CUPA.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: IRWD inspection On site to conduct a routine APST inspection. Consent to enter, inspect and take photographs was granted by Rudy Perez. The 500 gallon waste oil storage tank was properly labeled, closed and secure. No evidence spillage or seepage was observed in the vicinity of the tank during this inspection. Secondary containment for the tank was inspected and found to be adequate size and free of excess debris. The SPCC plan for the facility was available for review during this inspection. All required training records were available for review. No violations or areas of concern were noted.

Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-10-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspect w/Randy
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-10-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspect w/Randy
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: IRWD inspection On site to conduct routine hazardous waste inspection. Consent to enter, inspect and take photographs was given by Rudy Perez. Observed the facility and inspected hazardous waste storage. Container labeling violations were noted during this inspection. These violations were corrected on site during the inspection. All hazardous waste storage areas were unobstructed and well-maintained. No evidence of hazardous waste spillage or runoff was observed. Manifests,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

training records, and emergency plan are available for review. The records for the last year were reviewed.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitoring system certification, and spill bucket testing. The facility has two double-walled tanks monitored by Veeder Root system. The piping is a double-walled suction system. The Veeder Root panel reads ?all functions normal.? The in-tank probe is used for overfill prevention. The sensors in the tank annulars, piping sumps, fill sumps, and UDCs are all trigger an audible and visual alarm when submerged in liquid. Leak detectors are not installed. Spill buckets were visually tested for 30 minutes. At the end of the test period, there was no indication of leakage. Testing was conducted by Steven Graham of Tait Environmental. Technician certifications (VR, ICC) were verified. Please submit the test reports to this Agency within 30 days. The following documents are available for review: permit to operate, monitoring plan, leak response plan, test reports, maintenance records, DO monthly reports, and DO annual employee [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-17-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed the UST Form Submission package via ESUBMIT, which included Tank Facility Information Form, Tank forms, Monitoring Plan and Response Plan. The submission was DECLINED for the following reasons:
- Product Piping Construction in our files say primary containment is flexible. - Corrosion protection must be marked for "Isolation" - Monitoring Plan Plot Map must be uploaded in a pdf (very difficult to open file) - Monitoring Plot Plan does not include system piping. - Response Plan: UPDATE responsible persons list. ****Facility has 30 days to resubmit forms. ACCEPTED Designated Operator form via ESUBMIT. ACCEPTED Certificate of Financial Responsibility via ESUBMIT - EXPIRES MAY 2015 >>>>>

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-17-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR COMMENTS Monitoring System certification and spill bucket testing results received from 3-30-2017. Reviewed. Test results indicate PASS including the Unleaded Fill Spill bucket. Violation I819 = CORRECTED The UST information was transferred from the ESubmit Portal and will need update. Notification made to DO Rudy Perez.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Complete review and update of electronic submission. Send results to main file. Report emailed to Rudy Perez, IRWD.
Orange County Environmental Health
UST
CERS

Eval Division:
Eval Program:
Eval Source:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site to conduct a Hazardous Materials Disclosure and Business Emergency Plan (HMBEP) inspection. Met this date with Emilyn Zuniga for IRWD and Eric Gomez for the Orange County Fire Authority (OCFA). CERS ID 10512361 This building is Fleet Services Building. Verified the following this date: - Chemical Inventory - Site Map This site also needs to add the Underground Storage Tanks (USTs) to the chemical inventory from Area 48 and the carwash degreaser from area 46. Update the Facility Site Map to include areas 46 and 48. CERS submission on 3-1-17 was NOT ACCEPTED on 3-31-17. The HMBEP required update to the Chemical Inventory to include Diesel and Gasoline in the USTs. Violation I292 issued on 6-23-16 remains Outstanding. Training records were provided to OC CUPA. Training is conducted annually. Update and re-submit to CERS.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-12-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CFR dated 5/9/16 accepted in portal.
Orange County Environmental Health
UST
CERS

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: review all necessary information
Orange County Environmental Health
HMRRP
CERS

Eval General Type: Other/Unknown
Eval Date: 06-10-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Ken Erwin is retired. Left voicemail for Emilyn Zuniga and e-mailed her to schedule routine hazardous material.
Orange County Environmental Health
HMRRP
CERS

Eval General Type: Other/Unknown
Eval Date: 06-11-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: From: Dong, Alvin Sent: Saturday, June 11, 2016 4:13 PM To: 'zuniga@irwd.com' <zuniga@irwd.com>; 'perezr@irwd.com' <perezr@irwd.com>; 'lewis@irwd.com' <lewis@irwd.com>; 'soto@irwd.com' <soto@irwd.com> Subject: Emailing: irwdUST4.13. Hello All, Please make the following corrections in eSubmit for your UST submission: DECLINE:
- Vent piping is single walled Fiberglass. - VR piping for the gasoline system is also singled walled Fiberglass. - Corrosion protection must be marked for "Isolation" - Monitoring plan Site Address is incorrect - Monitoring Plan Plot Plan's orientation is missing details and the orientation is incorrect --Monitoring plan UDC Leak Alarm Triggers Automatic Pump Shutdown--YES I apologize to send this to everyone. Please let me know if you have any questions.
Thanks, Alvin Dong Hazardous Waste Specialist Environmental Health Division 714 640-9358 voice 714 754 1768 fax
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed submission package on eSubmit Portal, DECLINED. Request for re-submittal this date. DECLINE: - Vent piping is single walled Fiberglass. - VR piping for the gasoline system is also singled walled Fiberglass. - Corrosion protection must be marked for "Isolation" - Monitoring plan Site Address is incorrect - Monitoring Plan Plot Plan's orientation is missing details and the orientation is incorrect --Monitoring plan UDC Leak Alarm Triggers Automatic Pump Shutdown--YES For questions please contact Alvin Dong, adong@ochca.com 714 640 9358
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Emilyn Zuniga called to discuss scheduling of inspections.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-15-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Contacted Emilyn to schedule
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site to conduct a Hazardous Waste, Remote Consolidation and Spill Prevention Countermeasures and Control (SPCC) Plan Inspection. Met this date with Rudy Perez, Water Quality Inspector and Richard Lao, Regulatory Compliance for IRWD. EPA ID CAD981694672 This Campus receives non RCRA hazardous waste from the IRWD Remote sewer lift and pump stations. All is brought to and consolidated in Building 10 (Fleet). Waste consolidation logs available this date for review Waste is consolidated and manifested off with other non-RCRA hazardous waste. Annual Remote Consolidate Site Notification submitted to the California Environmental Reporting System (CERS). Waste Coolant was disclosed under Building 54. Submit under Building 10 with Waste Oil. Submit the consolidation information every year on March 1.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site to conduct a Hazardous Waste, Remote Consolidation and Spill Prevention Countermeasures and Control (SPCC) Plan Inspection. Met this date with Rudy Perez, Water Quality Inspector and Richard Lao, Regulatory Compliance for IRWD. SPCC Plan This is a Tier I The SPCC Plan was reviewed and is complete. The most recent review was on 4-2-2014. The SPCC Plan is in the process of being updated due to staff changes and site changes. Send the updated SPCC to OC CUPA upon completion and implementation. This site has the following Oil Storage Containers throughout the IRWD Campus Site: - Hydraulic Oil, Transmission Fluid, Bulk Oil (Waste), Engine Oil in FLEET AUTO Area - Stationary Generators (5) - Hydraulic, Engine and Industrial Oil in Department 50 - Portable Generators (6) All departments and oil containers and oil container areas were inspected this date. All oil storage containers contained were observed with adequate secondary [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site to conduct a Hazardous Waste, Remote Consolidation and Spill Prevention Countermeasures and Control (SPCC) Plan Inspection. Met this date with Rudy Perez, Water Quality Inspector and Richard Lao, Regulatory Compliance for IRWD. EPA ID CAD981694672 Inspected the following areas this date: - Auto Maintenance - Final Storage Area (Bldg 45) - Universal Waste Storage - Building 60 Laboratory - Laboratory Final Storage Universal Waste was not stored in containers in the UW storage area. Hazardous Waste drums in the Auto Fleet storage area were not observed to be stored closed. One drum of oil filters in the auto area was observed to be not covered and over filled. Refer to violations. All other hazardous waste was observed labeled and stored properly. All storage times were

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

observed within allowable times. Discussed small waste stream lab generation and satellite storage. ?If an SQG?s quantity of HW generated does not 100 [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and ACCEPTED Remote Consolidation Forms on CERS.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-22-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Called Emilyn to discuss schedule for tomorrow?s inspections
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-23-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow-up e-mail for IRWD inspections.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-23-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials and business emergency plan (BEP) inspection. Consent to enter and inspect the facility was granted by Emilyn Zuniga, District Safety & Security Manager. The inspection was conducted with Rick Perry, Fleet Services Supervisor. Observed the facility?s hazardous materials storage areas. Hazardous materials must be reported if the business handles an amount equal to or greater than 55 gallons of liquid, 500 pounds of solid, or 200 cubic feet of compressed gas (1,000 cubic feet threshold for gases for which the only health/physical hazards are simple asphyxiation and the release of pressure). During today?s inspection, the following

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

hazardous materials were observed at this facility: ? 1 x 500-gallon aboveground storage tank (AST) of used oil ? 1 x 120-gallon AST of 15W-30 ? 1 x 120-gallon AST of ATF and 1 x 55-gallon drum of ATF ? 1 x 120-gallon AST of hydraulic fluid ? 1 x 240-gallon AST of 10W-30 ? 1 x 55-gallon drum [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes:

On site for a routine remote consolidation inspection. Consent to enter and inspect the facility was granted by Rick Perry (Fleet Services Supervisor). John Dayer (Facilities/Fleet Manager), Richard Brown (Facilities Services Supervisor), Elizabeth Duarte (Executive Secretary), and Rudy Perez (Water Quality Inspector) were also present during the inspection. This facility receives non-RCRA hazardous waste from remote/unmanned IRWD sewer lift stations and pump stations. Used motor oil is consolidated at 3512 Michelson Dr Bldg 10. At the time of inspection, this Agency did not receive the Remote Waste Consolidation Site Annual Notification for 2016. Please be advised that the CUPA now only accepts electronic submissions of the Remote Waste Consolidation Annual Notification. Moving forward, the form should be submitted every year by March 1 to CERS (California Environmental Reporting System). Contingency Plan information was not available for review at the time of [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-06-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: E-mailed site map requirements to Emilyn
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR COMMENTS This Agency has reviewed the UST information submitted to the California Environmental Reporting System (CERS). The submission was NOT ACCEPTED. Make the following corrections and re-submit within thirty (30) days: Designated Operator Statement did not upload. Upload completed DO Statement.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-07-2017
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Eval Type: Other, not routine, done by local agency
Eval Notes: Received and reviewed recent monthly generator inspections. Complete per the site SPCC.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received a Remote Waste Consolidation Site Annual Notification dated 5/26/15 from Rudy Perez. A copy of this report will be sent to the address above.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-12-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: E-mailed inspection information to Ingrid Zubieta and Sunny Lee; Emilyn is away on leave.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: E-mailed remote waste consolidation information to Rudy Perez
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-26-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST submittal conditionally accepted in portal: This submittal is being conditionally approved in order to facilitate transfer of data to California Electronic Reporting System (CERS) database. Do not make any additional submittals to the eSubmit portal. All future submittals must be made to the CERS database.

_____ (previous) DECLINE: - Vent piping is single walled Fiberglass. - VR piping for the gasoline system is also singled walled Fiberglass. - Corrosion protection must be marked for "Isolation" - Monitoring plan Site Address is incorrect - Monitoring Plan Plot Plan's orientation is missing details and the orientation is incorrect --Monitoring plan UDC Leak Alarm Triggers Automatic Pump Shutdown--YES
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Eval General Type:	Other/Unknown
Eval Date:	08-17-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received Monitoring System Certification dated 3/31/16. The results indicate all components that were tested passed. A copy of this report will be sent to Rodolfo Perez <Perezr@irwd.com>
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-07-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Rudy sent a copy of the Remote Site Used Oil Consolidation Log. Suggested edits for the Contingency Plan.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-26-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	INSPECTOR COMMENTS This Agency has reviewed the updated UST submission to the California Environmental Reporting System. The submission has been ACCEPTED.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-28-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Maryam Daftarian, Consulting Specialist for IRWD, requested CERS assistance; referred to Gerrit as the current district inspector.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-29-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor Cert report review
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-06-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	IRWD
Eval Division:	Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site to conduct a Hazardous Materials Disclosure and Business Emergency Plan (HMBEP) inspection. Met this date with Emily Zuniga, IRWD, who granted consent to enter, inspect and take photos. CERS ID 10512361 The purpose of this visit is to conduct a full walk through of the Michelson Water Reclamation Plant (MWRP) and the under construction biosolids area to verify that First Responder Units are able to access all parts of the plant without structured barriers. BIOSOLIDS The biosolids are under the management of Filanc Balfour & Beatty and utilizes their own EPA ID and CERS submissions. An inspection has been conducted by this Agency. This area is under their management and will be handed over to IRWD upon completion in 2019. IRWD - MWRP After a full walkthrough of the site, it is determined by this Agency that this is one (1) Hazardous Materials site 21+ Chemicals and will be consolidated under PR0090584 and CERS ID 10512361. Consolidate all chemicals [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-16-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	New Generator observed and will need to be added to the SPCC Plan.
Eval Division:	Orange County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-21-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	INSPECTOR COMMENTS The 10-19-16 submission to the California Environmental Reporting System (CERS) has been reviewed by this Agency and is NOT ACCEPTED for the following: HAZARDOUS MATERIALS INVENTORY: - ATF: Indicate the Hazardous Materials Type - Nitrogen: Remove from disclosure, below reporting threshold of 1000 Cubic Feet - Motor Oil 15W-30: Indicate 15W-30 in Chemical Name - Lead Acid Batteries: Change EHS to YES; Report in Gallons of Electrolyte The submission was ACCEPTED for the following: - Business Activities - Business Owner/Operator - Facility Map - Emergency Contingency Plan - Employee Training Re-submit with corrections by the March 1, 2017 deadline. The 10-17-16 submission was also reviewed. Report emailed to E. Zuniga, IRWD.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-23-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed submission package on eSubmit Portal, DECLINED. Request for re-submittal this date. DECLINE: - Product Piping Construction in our files say primary containment is flexible. - Vent piping is single walled Fiberglass. - VR piping for the gasoline system is also singled walled Fiberglass. - Riser Primary Containment is Steel. - Riser Secondary Containment is Fiberglass - Corrosion protection must be marked for "Isolation" - Monitoring plan Facility ID should be left blank - Monitoring Plan Plot Map must be uploaded as a pdf (very difficult to open file) - Monitoring Plot Plan does not include system piping. - Response Plan: UPDATE responsible persons list - Remove Piping Integrity Testing requirement. not needed for double walled suction systems - Remove check box for "Meets Suction Piping Exemption Criteria" - N/A for double walled suction systems For questions please contact Alvin Dong, adong@ochca.com 714 640 9358
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Emails with Emilyn Zuniga in regards to Hazmat inspections at Silverado Sites and the upcoming UST inspection due 3-31-17. Also discussed Hazmat inspections for Michelson site. Will reach out to Eric Gomez for OCFA to discuss building issue and CERS.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-10-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-15-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification for 3-30-17
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS On site to conduct an Underground Storage Tank (UST) inspection and witness the annual monitoring certification and spill bucket testing. Met this date with Rudy Perez and Richard Lao

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

for IRWD. TECHNICIAN Dave Walker | Belshire Veeder Root | #32030 ICC | 921973 DESIGNATED OPERATOR Rodolfo Perez | ICC 8290422 CERS ID 10512361 This site has two (2) USTs. One 15,000 Gallon Unleaded UST and one 12,000 Gallon Diesel UST. There are 2 UDCs. The system is monitored by a VR TLS 350. All Systems Normal. UST Annulars are wet and monitored by VR 302 sensors. Sumps and UDCs are monitored by VR 208 sensors. The system is a SUCTION system. The sensors were observed at the lowest points of the sumps. Overfill protection is by ATGs connected to an outside annunciator. The following tests were witnessed and PASSED: - Sensors in water (Triggered alarms) - Power Out - Overfill Protection - Spill Buckets The following documents were reviewed and [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-26-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB989 Notification (4/6/18).
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-28-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Email with ESubmit files to Rudy Perez, Sr Scientist. Asked about CERS submission. ESubmit did not appear to transfer over. Will check to see if we can transfer some information. Emailed most recent reports for IRWD and LAWRP UST sites.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-28-2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review CERS and EC History. ESubmit UST information did not transfer. Will look into it. Review history for UST inspection.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Pushed UST data in CIW
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-30-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS On site to conduct an Underground Storage Tank (UST) inspection and witness the annual monitoring certification and spill bucket testing. Met this date with Frank Soto and Richard Lao for IRWD. Technician this date is Patrick Banbury for TAIT Environmental. TECHNICIAN Patrick Banbury TAIT Environmental ICC #5254579 Expiration 1-4-2019 Veeder Root (VR) #A20465 Expiration 6-5-2017 Designated Operator (DO) Rudy Perez IRWD CERS ID 10512361 This site has two (2) USTs. One 15,000 Gallon Unleaded UST and one 12,000 Gallon Diesel UST. There are 2 UDCs. The system is monitored by a VR TLS 350. All Systems Normal. UST Annulars are wet and monitored by VR 302 sensors. Sumps and UDCs are monitored by VR 208 sensors. The system is a SUCTION system. The sensors were observed at the lowest points of the sumps. Overfill protection is by ATGs connected to an outside annunciator. The following tests were witnessed and PASSED: - Sensors in [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Onsite to conduct a routine UST inspection during the annual monitoring system certification. Stephen Graham of Tait environmental provided the following current certifications: Veeder-Root, ICC. Richard Lao, Regulatory Compliance Analyst and Rudy Perez, Senior

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Scientist/Designated Operator were also present during this inspection. There is one 15K-gallon unleaded tank and one 12K-gallon diesel tank at this site. Both systems are suction and there is one dispenser for each product. The tank annulars are wet and monitored by VR-302 sensors. Overfill prevention is provided by ATGs connected to an outside annunciator. VR-208 sensors are in use in the fill and piping sumps of each tank and in both UDCs. The UST system is monitored by a Veeder-Root TLS-350 panel. The following documents were reviewed: Monitoring System Certification, SB989 DO Training, DO monthly inspection reports, DO Statement Monitoring Plan, Response Plan Facility Information page, Tank [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-31-2017

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: INSPECTOR COMMENTS This Agency has reviewed the 3-1-2017 submission to the California Electronic REporting System (CERS). The submission was NOT ACCEPTED. Make the following corrections and re-submit within thirty (30) days: HAZARDOUS MATERIALS INVENTORY - Add the Gasoline and Diesel USTs to the Inventory FACILITY MAP - Add the Gasoline and Diesel USTs to the Facility Map Report emailed to Emilyn Zuniga, IRWD.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-03-2017

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: INSPECTOR COMMENTS Review of prior violations. Violations I292 and I169 issued in 2014 was corrected on 1-21-2017. The HMBEP was submitted in 2016. OUTSTANDING - Violation I292 (Issued 6-23-2016) for incomplete inventory.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-06-2015

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Monitor cert notification

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2015

Violations Found: No

Eval Type: Routine done by local agency

Eval Notes: On-site to witness the Annual Monitoring System Certification, Secondary Containment Testing and to conduct a routine UST inspection. Tait Environmental was present on-site and technician had updated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

certifications qualifying him to conduct certification. All sumps and UDCs were verified free of standing liquid or debris. All sensor locations were at the lowest point. UST Technician was witness testing all monitoring sensors and probes. The following were tested: Overfill protection set at 90% to alarm with audible and visual. Emergency Shut-Off Switch Fail-Safe Sensor out Double walled Suction System no line leak detectors. Spill Buckets passed visual leak test. The following documentation was made available to review: Operating Permit 2014/15 UPC Forms online via ESUBMIT Monitoring Plan with Plot Plan Leak Response Plan Designated Operator Agreement - current Certificate of Financial Responsibility via ESUBMIT Annual Monitoring Certification [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: IRWD inspection On site for routine remote consolidation inspection.

The inspection and document review were conducted with Rudy Perez. This Agency received the Remote Waste Consolidation Site Annual Notification form for 2014. The facility receives hazardous and non-hazardous waste from unmanned IRWD sub stations. Remote Generation/ERM Shipping Paper for internal shipments are available for review.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: UST Property Owner Name
Entity Name: IRVINE RANCH WATER DISTRICT
Entity Title: Not reported
Affiliation Address: P.O. Box 5700
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92619-7000
Affiliation Phone: (949) 453-5300

Affiliation Type Desc: UST Tank Operator
Entity Name: Irvine Ranch Water District
Entity Title: Not reported
Affiliation Address: 3512 Michelson Drive
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612-1799
Affiliation Phone: (949) 453-5800

Affiliation Type Desc: UST Tank Owner
Entity Name: Irvine Ranch Water District
Entity Title: Not reported
Affiliation Address: 3512 Michelson Drive
Affiliation City: Irvine

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612-1799
Affiliation Phone: (949) 453-5300

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Document Preparer
Entity Name: Rodolfo Perez
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: 3512 Michelson Drive
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Irvine Ranch Water District Bldg 10
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: (949) 453-5300

Affiliation Type Desc: UST Permit Applicant
Entity Name: Rodolfo Perez
Entity Title: Senior Scientist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 453-5831

Affiliation Type Desc: Environmental Contact
Entity Name: Emilyn B. Zuniga

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRWD BLDG 10 (Continued)

S123514722

Entity Title: Not reported
Affiliation Address: 3512 Michelson Drive
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Rodolfo Perez
Entity Title: Regulatory Compliance Senior Scientist
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: Irvine Ranch Water District
Entity Title: Not reported
Affiliation Address: 3512 Michelson Drive
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612
Affiliation Phone: (949) 453-5300

Affiliation Type Desc: Parent Corporation
Entity Name: Irvine Ranch Water District
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

A10 **MICHELSON WWRF**
< 1/8 **3512 MICHELSON DRIVE**
1 ft. **IRVINE, CA 92612**

SWEEPS UST **U003433084**
ENF **N/A**
CIWQS

Site 10 of 13 in cluster A

Relative: **SWEEPS UST:**
Higher Name: IRVINE RANCH WATER DISTRICT
Actual: Address: 3512 MICHELSON DR
36 ft. City: IRVINE
Status: Active
Comp Number: 1705
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-001705-000001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: 3

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON DR
City: IRVINE
Status: Active
Comp Number: 1705
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-001705-000006
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON DR
City: IRVINE
Status: Active
Comp Number: 1705
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-001705-000007
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

ENF:

Name: MICHELSON WWRF
Address: 3512 MICHELSON DRIVE
City,State,Zip: IRVINE, CA
Region: 8
Facility Id: 259156
Agency Name: Irvine Ranch Water District
Place Type: Utility
Place Subtype: Wastewater Treatment Facility

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.662111
Place Longitude:	-117.795806
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
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:	18
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	Y - POTW has EPA approved pretreatment program
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	8 302006002
Reg Measure Id:	140425
Reg Measure Type:	NPDES Permits
Region:	8
Order #:	94-022
Npdes# CA#:	CA8000326
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	2 - Producer-User
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/24/2013
Effective Date:	10/14/1994
Expiration/Review Date:	09/01/1999
Termination Date:	12/18/2001
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

Direction/Voice:	Passive
Enforcement Id(EID):	236829
Region:	8
Order / Resolution Number:	R8-2001-0046
Enforcement Action Type:	Admin Civil Liability
Effective Date:	09/10/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	9/10/2001
Termination Date:	12/03/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC R8-2001-0046 for IRWD
Description:	Approximately 270,000 gallons of undisinfected secondary treated wastewater were discharged to San Diego Creek. SEP-\$10,000 to SCCWRP for Toxics TMDL work, \$60,000 for sediment removal & bank protection in Serrano Creek.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	12/3/2002
# Of Programs1:	1
Total Assessment Amount:	74690
Initial Assessed Amount:	0
Liability \$ Amount:	4690
Project \$ Amount:	0
Liability \$ Paid:	4690
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	74690
Name:	MICHELSON WWRF
Address:	3512 MICHELSON DRIVE
City,State,Zip:	IRVINE, CA
Region:	8
Facility Id:	259156
Agency Name:	Irvine Ranch Water District
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.662111
Place Longitude:	-117.795806
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
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:	18
Threat To Water Quality:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

Complexity:	A
Pretreatment:	Y - POTW has EPA approved pretreatment program
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	8 302006002
Reg Measure Id:	131152
Reg Measure Type:	NPDES Permits
Region:	8
Order #:	R8-2001-0095
Npdes# CA#:	CA8000326
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	2 - Producer-User
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	400
Status:	Historical
Status Date:	01/19/2012
Effective Date:	12/19/2001
Expiration/Review Date:	12/01/2006
Termination Date:	11/29/2007
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	253324
Region:	8
Order / Resolution Number:	R8-2004-0105
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/16/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/13/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MPC R8-2004-0105 for IRWD
Description:	For discharges to Rattlesnake Canyon Reservoir on February 25, March 3, and April 28, 2004 which contained Chlorine in exceedance of 0.1 mg/l limit.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	4/13/2006
# Of Programs1:	1
Total Assessment Amount:	9000
Initial Assessed Amount:	9000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	9000
Name:	MICHELSON WWRF
Address:	3512 MICHELSON DRIVE
City,State,Zip:	IRVINE, CA
Region:	8
Facility Id:	259156
Agency Name:	Irvine Ranch Water District
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.662111
Place Longitude:	-117.795806
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
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:	18
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	Y - POTW has EPA approved pretreatment program
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	8 302006002
Reg Measure Id:	131152
Reg Measure Type:	NPDES Permits
Region:	8
Order #:	R8-2001-0095
Npdes# CA#:	CA8000326
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	2 - Producer-User
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	400

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

Status:	Historical
Status Date:	01/19/2012
Effective Date:	12/19/2001
Expiration/Review Date:	12/01/2006
Termination Date:	11/29/2007
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	223193
Region:	8
Order / Resolution Number:	96-027
Enforcement Action Type:	Admin Civil Liability
Effective Date:	02/08/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/20/1996
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC 96-027 for IRWD
Description:	13385 - DISCHARGE OF RECLAIMED WATER TO SAN JOAQUIN FRESHWATER MARSH
Program:	NPDMUNILRG
Latest Milestone Completion Date:	2/20/1996
# Of Programs1:	1
Total Assessment Amount:	45000
Initial Assessed Amount:	0
Liability \$ Amount:	45000
Project \$ Amount:	0
Liability \$ Paid:	45000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	45000
Name:	MICHELSON WWRF
Address:	3512 MICHELSON DRIVE
City,State,Zip:	IRVINE, CA
Region:	8
Facility Id:	259156
Agency Name:	Irvine Ranch Water District
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.662111
Place Longitude:	-117.795806
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

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:	18
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	Y - POTW has EPA approved pretreatment program
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	8 302006002
Reg Measure Id:	131152
Reg Measure Type:	NPDES Permits
Region:	8
Order #:	R8-2001-0095
Npdes# CA#:	CA8000326
Major-Minor:	Major
Npdes Type:	MUN
Reclamation:	2 - Producer-User
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	400
Status:	Historical
Status Date:	01/19/2012
Effective Date:	12/19/2001
Expiration/Review Date:	12/01/2006
Termination Date:	11/29/2007
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222978
Region:	8
Order / Resolution Number:	96-074
Enforcement Action Type:	Admin Civil Liability
Effective Date:	09/04/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/10/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHELSON WWRF (Continued)

U003433084

ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: ACLC 96-074 for IRWD
Description: 13385- 4.89 MG OF RECLAIMED WATER TO SAND CANYON WASH. SEP
- \$90,000 FOR SAMPLING AND ANALYSIS OF 40 SAMPLES PER MONTH
FOR 6 MONTHS AND \$5,000 TO CAL ST. FULLERTON FOR INTERN
Program: NPDMUNILRG
Latest Milestone Completion Date: 2/10/1997
Of Programs1: 1
Total Assessment Amount: 100000
Initial Assessed Amount: 0
Liability \$ Amount: 5000
Project \$ Amount: 0
Liability \$ Paid: 5000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 100000

CIWQS:

Name: MICHELSON WWRF
Address: 3512 MICHELSON DRIVE
City,State,Zip: IRVINE, CA 92612
Agency: Irvine Ranch Water District
Agency Address: Po Box 57000, Irvine, CA 92619-7000
Place/Project Type: Wastewater Treatment Facility
SIC/NAICS: 4952
Region: 8
Program: NPDMUNILRG
Regulatory Measure Status: Active
Regulatory Measure Type: NPDES Permit
Order Number: R8-2015-0024
WDID: 8 302006002
NPDES Number: CA8000326
Adoption Date: 06/19/2015
Effective Date: 07/01/2015
Termination Date: Not reported
Expiration/Review Date: 06/30/2020
Design Flow: 33.5
Major/Minor: Major
Complexity: A
TTWQ: 1
Enforcement Actions within 5 years: 0
Violations within 5 years: 19
Latitude: 33.662111
Longitude: -117.795806

A11 **IRVINE RANCH WATER DISTRICT**
3512 MICHELSON DRIVE
IRVINE, CA 92612

RCRA-LQG **1019322327**
FINDS **CAD981694672**

< 1/8

1 ft.

Site 11 of 13 in cluster A

Relative:
Higher

RCRA-LQG:
Date form received by agency: 2016-02-25 00:00:00.0
Facility name: IRVINE RANCH WATER DISTRICT
Facility address: 3512 MICHELSON DRIVE
IRVINE, CA 92612

Actual:
36 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRVINE RANCH WATER DISTRICT (Continued)

1019322327

EPA ID: CAD981694672
Mailing address: MICHELSON DRIVE
IRVINE, CA 92612
Contact: LYNDY LEWIS
Contact address: MICHELSON DRIVE
IRVINE, CA 92612
Contact country: US
Contact telephone: 949-453-5832
Contact email: LEWIS@IRWD.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: IRVINE RANCH WATER DISTRICT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 1996-03-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: IRVINE RANCH WATER DISTRICT
Owner/operator address: MICHELSON DRIVE
IRVINE, CA 92612
Owner/operator country: US
Owner/operator telephone: 949-453-5832
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 1996-03-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRVINE RANCH WATER DISTRICT (Continued)

1019322327

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRVINE RANCH WATER DISTRICT (Continued)

1019322327

- . Waste name: CHROMIUM
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: F003
- . Waste name: 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.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

- Waste code: D001
- Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Amount (Lbs): 1595
- Waste code: D002
- Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- Amount (Lbs): 2745.4
- Waste code: D007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRVINE RANCH WATER DISTRICT (Continued)

1019322327

Waste name: CHROMIUM
Amount (Lbs): 180

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 220

Waste code: D011
Waste name: SILVER
Amount (Lbs): 150

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 650

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.
Amount (Lbs): 650

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 650

Violation Status: No violations found

FINDS:

Registry ID: 110070148349

Environmental Interest/Information System
HAZARDOUS WASTE BIENNIAL REPORTER

[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

A12 **IRVINE RANCH WATER DISTRICT**
3512 MICHELSON
< 1/8 **IRVINE, CA 92715**
1 ft.

LUST **S104165663**
HIST CORTESE **N/A**

Site 12 of 13 in cluster A

Relative:
Higher

Actual:
36 ft.

LUST REG 8:

Name: IRVINE RANCH WATER DISTRICT
Address: 3512 MICHELSON
City: IRVINE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083000440T
Local Case Num: 87UT070
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605900352
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 3/20/1987
Enforcement Date: Not reported
Close Date: 5/17/1995
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6704713
Longitude: -117.8360678
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: CAB
Staff Initials: JK
Lead Agency: Local Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRVINE RANCH WATER DISTRICT (Continued)

S104165663

Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported
Name:	IRVINE RANCH WATER DISTRICT
Address:	3512 MICHELSON
City:	IRVINE
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083003423T
Local Case Num:	99UT021
Case Type:	Soil only
Substance:	12032,12034
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605902264
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	3/3/1999
Enforcement Date:	Not reported
Close Date:	7/26/2000
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6704713
Longitude:	-117.8360678
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IRVINE RANCH WATER DISTRICT (Continued)

S104165663

Staff: TME
Staff Initials: JK
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HIST CORTESE:

edr_fname: WASTEWATER RECLAMATION PL
edr_fadd1: 3512 MICHELSON
City,State,Zip: IRVINE, CA 92715
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000440T

A13

**BOOMERS
3405 MICHELSON DR
IRVINE, CA 92612**

**CERS HAZ WASTE
CERS**

**S113156455
N/A**

**< 1/8
1 ft.**

Site 13 of 13 in cluster A

**Relative:
Higher**

**Actual:
36 ft.**

CERS HAZ WASTE:
Name: BOOMERS
Address: 3405 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 366734
CERS ID: 10548532
CERS Description: Hazardous Waste Generator

CERS:

Name: BOOMERS
Address: 3405 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 366734
CERS ID: 10548532
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 366734
Site Name: BOOMERS
Violation Date: 04-06-2017
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: The records for the removal of the facility's hazardous waste were not available for inspection. Maintain hazardous waste removal records for 3 years from the date of removal. Submit a copy set for facility's hazardous waste removal records (signed of manifests, receipts) for

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOOMERS (Continued)

S113156455

9-14 on to this Agency for our review within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 366734
Site Name: BOOMERS
Violation Date: 04-05-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 05/30/2018. Facility had not electronically submitted their hazardous materials business plan. Submit facility's hazardous materials business plan using the CERS (california environmental reporting system) website within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 366734
Site Name: BOOMERS
Violation Date: 04-05-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/30/2018. Facility had not electronically submitted their hazardous material inventory. Submit facility's hazardous material inventory for all reportable hazardous materials on site using the CERS (california environmental reporting system) website within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: BOOMERS 3405 MICHELSON DR IRVINE 92612 On site for a change in business ownership hazardous waste inspection. Craig Stieglitz, general manager, was present for the inspection and provided consent to inspect. The new business owner was identified as Apex Parks Group LLC. The facility's operations and the waste generated were discussed. The inspection included a walk behind the building. I did not observe hazardous waste in the facility's trash or as run off on the ground. The storage of the shop's hazardous waste, including universal waste, was inspected. We reviewed the required information to be marked on containers storing hazardous waste and containers storing universal waste. Written emergency contact information and spill response directions were posted for the employees in the work and office areas. Report PDF to Craig Stieglitz
Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOOMERS (Continued)

S113156455

Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-05-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	BOOMERS 3405 MICHELSON DR IRVINE 92612 On site to conduct a change in business ownership hazardous materials chemical inventory and business emergency plan (HMBEP) inspection. Craig Stieglitz, general manager, was present for the inspection and provided consent to inspect. The business owner was identified as Apex Parks Group LLC. Businesses are required to submit their HMBEP. Electronic submission of these forms is a legal requirement. According to our records, there is no electronic submission for the new business owner We reviewed the facility?s Hazardous material inventory on site. Materials on site above reporting threshold included: liquid carbon dioxide, propane, gasoline, used oil, and possibly new oil. We confirmed the locations of the required items to be mapped. We discussed the facility?s status in electronic HMBEP reporting compliance. We discussed access to CERS (California environmental reporting) for HMBEP reporting compliance. Facility [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-23-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	portal submission review - declined
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Disclosure review (declined)
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-25-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Based on the 2018 California Environmental Reporting System (CERS) submittal by the business, 4 of the 6 violations cited have been corrected. The remaining violations are: #I736, For the failure to electronically submit the Emergency Response Plan in CERS #I463, For the failure to complete the annual certification in CERS. Once you complete the annual submittal in CERS for the facility, all violations will be corrected.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOOMERS (Continued)

S113156455

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Hazardous Materials inspection Onsite to conduct a routine hazardous materials chemical inventory inspection. Met with Sam Yos to conduct inspection. consent to enter and take photograph was granted. Observed the following 4 chemicals onsite: -Lubricating oil -Gasoline -Aqueous parts washing solution -Compressed gas (helium) The submitted facility map was verified to accurately describe locations of onsite hazardous materials.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Hazardous Waste inspection Onsite to conduct a routine hazardous waste inspection. Inspected facility with Sam Yos. Consent to inspect and take photos was given. Hazardous waste observed onsite and included waste oil and parts washer solution. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any indication of a hazardous waste release. Hazardous Waste Emergency Response information is posted in a common area or exists onsite in the Business Emergency Plan. Employees that manage hazardous waste are given jobsite training. Hazardous waste containers were properly labeled and covered during inspection. Reviewed consolidated manifests and manifests for all hazardous waste streams. Please keep onsite all hazardous waste disposal receipts/manifests for three years. Discussed proper management of Universal Wastes; Fluorescent tubes, e-waste, and batteries must be disposed properly, to [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow up on outstanding violation with the facility. Requested copies of the hazardous waste manifests be emailed to this office for proof that are being maintained. Checked HWTS, there is a new EPA ID number for the new owner but no manifests for 2017 in the database. There are documents for 2016 and 2015.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 366734
Facility Name: BOOMERS
Env Int Type Code: HWG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOOMERS (Continued)

S113156455

Program ID: 10548532
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.670720
Longitude: -117.834790

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Identification Signer
Entity Name: Barnaby Antunez
Entity Title: Maintenance 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: Parent Corporation
Entity Name: BOOMERS
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: Barnaby Antunez
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: Barnaby Antunez
Entity Title: Not reported
Affiliation Address: 3405 MICHELSON DR
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOOMERS (Continued)

S113156455

Affiliation Type Desc: Legal Owner
Entity Name: Apex Parks Group LLC
Entity Title: Not reported
Affiliation Address: 27061 aliso creek rd suite 100
Affiliation City: aliso viejo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92656
Affiliation Phone: (949) 680-4512

Affiliation Type Desc: Operator
Entity Name: Craig Steiglitz
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: (949) 559-8572

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3405 Michelson Drive
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

14
West
< 1/8
0.111 mi.
585 ft.

PARK PLACE APARTMENT HOMES
3395 MICHELSON DR
IRVINE, CA 92612

CERS TANKS
CERS

S123517500
N/A

Relative:
Higher

CERS TANKS:

Actual:
36 ft.

Name: PARK PLACE APARTMENT HOMES
Address: 3395 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 412006
CERS ID: 10716628
CERS Description: Aboveground Petroleum Storage

CERS:

Name: PARK PLACE APARTMENT HOMES
Address: 3395 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 412006
CERS ID: 10716628
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK PLACE APARTMENT HOMES (Continued)

S123517500

Violation Description: 6.95, Section(s) 25508.1(a)-(f)
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: OBSERVATION: The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. CORRECTIVE ACTION: Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)

Violation Description: Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.

Violation Notes: OBSERVATION: The business failed to have the hazardous material business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training. CORRECTIVE ACTION: Provide a readily available business plan to personnel of the business or the unified program facility with responsibilities for emergency response or training. Document that appropriate personnel have the business plan readily available.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: OBSERVATION: The business did not provide one or more of the following: initial employee training, adequate employee training, annual employee training and/or maintain records of employee training. CORRECTIVE ACTION: Provide all employees with required training that includes: safe handling hazardous materials, emergency response procedures, and proper use of response equipment. Maintain records of training available for 3 years.

Violation Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK PLACE APARTMENT HOMES (Continued)

S123517500

Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: OBSERVATION: The business failed to update electronically the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: OBSERVATION: The business failed to complete and electronically submit a business plan when handling hazardous materials at or above the reportable threshold quantities. CORRECTIVE ACTION: Complete and electronically submit a business plan.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
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: 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. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK PLACE APARTMENT HOMES (Continued)

S123517500

Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 08-31-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 05/30/2018. No training records were available for review. Failure to provide and maintain records of annual training and refreshers to employees about hazardous materials and emergency response plan is a violation of HSC 6.95 25505(a)(4). The training sign in sheet should include: name, date, signature and type of training. Please provide training for the employees and submit training documentation to this agency within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 412006
Site Name: PARK PLACE APARTMENT HOMES
Violation Date: 03-11-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-11-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Arrived on-site and met with Mr. Osorio, Irvine Company Corporate Office, to perform the site inspection and discuss the other apartment homes/communities and the California Environmental Reporting System (CERS) submittals. Mr Julian Esquivel, Assistant Service Manager, Irvine Company, escorted us around the complex. Walked through the facility and around the perimeter. Observed the following hazardous materials at the site: - Hydraulic Fluid (Citgo NZ), (17), 165 gallon aboveground storage tanks (ASTs) for elevators and one ~50 gallon AST - Diesel, (3), 150-gallon ASTs - Sodium Hypochlorite, (3), 55 gallon plastic drums - Hydrochloric Acid, (1), 70 gallon plastic drum - Batteries for golf carts ~13 carts w/6 batteries each = 78 gallons The site had an older version of the Business Plan and no training records were available for review. The 2019 CERS submittal is past due and the business requested guidance. Following the inspection I reviewed with [Truncated]

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK PLACE APARTMENT HOMES (Continued)

S123517500

Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-31-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Assistant Service Manager, Spence Hatton at 11:20 am. Walked the site with Mr. Hatton and observed the hazardous material storage areas throughout the Apartment Complex and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Diesel = 180 gallons (3 Diesel generators) - Hydraulic Fluid = 165 gallons - Muriatic Acid = 150 gallons - Sodium Hypochlorite Business emergency plan was present on site. Emergency response equipment was present on site and serviced. Annual employee training records were not available for review. A violation was issued for the incomplete training records. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-16-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed HMBEP submission package on eSubmit, DENIED. Request for resubmittal within 30 days.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-02-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	HMBEP declined. The following notes were included in the review: "The business owner mailing address that you provided differs from the one that we have on file. Our records show the following as the owner mailing address: PO Box 6120, Newport Beach, CA If this information is incorrect or if there has been a change address please update your e-submit profile. Mark the correct federal hazard categories for each material. Label the evacuation staging area on the site map."
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-03-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	RUR submitted per company request to update owner address. HMBEP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK PLACE APARTMENT HOMES (Continued)

S123517500

Approval. The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for 4 materials Facility Site Map.
Orange County Environmental Health
HMRRP
CERS

Eval Division:
Eval Program:
Eval Source:

Coordinates:

Site ID: 412006
Facility Name: PARK PLACE APARTMENT HOMES
Env Int Type Code: APSA
Program ID: 10716628
Coord Name: Not reported
Ref Point Type Desc: Entrance point of a facility or station
Latitude: 33.671690
Longitude: -117.837540

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Dan Ledbetter
Entity Title: Not reported
Affiliation Address: 131 Theory
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92617
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Legal Owner
Entity Name: Irvine Company Apartment Communities
Entity Title: Not reported
Affiliation Address: 131 THEORY
Affiliation City: Newport Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92658
Affiliation Phone: (949) 720-5600

Affiliation Type Desc: Parent Corporation
Entity Name: PARK PLACE APARTMENT HOMES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARK PLACE APARTMENT HOMES (Continued)

S123517500

Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Michael R. Lispi
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:	131 Theory
Affiliation City:	IRVINE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92617
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Dan Ledbetter
Entity Title:	Project 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:	Irvine Company Apartment Communities
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:	(949) 720-5600

15
SSE
1/8-1/4
0.168 mi.
888 ft.

LANE ROAD DISPOSAL STATION #21
S OF MICHELSON W OF HARVARD W OF CULVER
IRVINE, CA

SWF/LF **S102361519**
CERS **N/A**

Relative:
Higher
Actual:
47 ft.

SWF/LF (SWIS):
Name: LANE ROAD DISPOSAL STATION #21
Address: S OF MICHELSON W OF HARVARD W OF CULVER
City,State,Zip: IRVINE, CA
Facility ID: 30-CR-0063
Lat/Long: 33.66795 / -117.83226
Owner Name: American Golf Corp.
Owner Telephone: Not reported
Owner Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LANE ROAD DISPOSAL STATION #21 (Continued)

S102361519

Owner Address2: 1633 26th Street
Owner City,St,Zip: Santa Monica, CA 90404
Operational Status: Closed
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: \$0.00
Activity: Solid Waste Disposal Site
Regulation Status: Pre-regulations
Landuse Name: Residential,Open Space - Irrigated,Golf Course
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: 12/31/1964
Closure Type: Estimated
Disposal Acreage: \$0.00
SWIS Num: 30-CR-0063
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 0
Actual Throughput with Units: Not reported
Permitted Capacity with Units: 0
Remaining Capacity: 0
Remaining Capacity with Units: Not reported
Lat/Long: 33.66795 / -117.83226

CERS:

Name: LANE ROAD DISPOSAL STATION #21
Address: S OF MICHELSON W OF HARVARD W OF CULVER
City,State,Zip: IRVINE, CA
Site ID: 509716
CERS ID: 30-CR-0063
CERS Description: Solid Waste and Recycle Sites

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: AMERICAN GOLF CORP.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Santa Monica
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90404
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

16
South
1/8-1/4
0.202 mi.
1067 ft.

MCAS HOLFMILE FIELD
FOUNTAIN VALLEY
FOUNTAIN VALLEY, CA 92708

ENVIROSTOR S103393791
N/A

Relative:
Higher

Actual:
51 ft.

ENVIROSTOR:

Name: MCAS HOLFMILE FIELD
Address: FOUNTAIN VALLEY
City,State,Zip: FOUNTAIN VALLEY, CA 92708
Facility ID: 30970008
Status: No Further Action
Status Date: 12/10/2018
Site Code: 400774
Site Type: Military Evaluation
Site Type Detailed: Closed Base
Acres: 507
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Shelia Lowe
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: * Defense Environmental Restoration Program (DERP)
Latitude: 33.66666
Longitude: -117.8333
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: MCAS HOLFMILE FIELD
Alias Type: Alternate Name
Alias Name: T0605954349
Alias Type: GeoTracker Global ID
Alias Name: 400774
Alias Type: Project Code (Site Code)
Alias Name: 30970008
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: HOLF
Completed Sub Area Name: Not reported
Completed Document Type: * Delisting Document
Completed Date: 10/03/2000
Comments: DLIST - HOLF: The purpose of this document is to certify that based upon the information that is currently and actually known to DTSC, that the site poses no significant threat to public health, welfare or the environment and therefore implementation of removal/remedial measures is not necessary at MCAS Holmfild Field.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCAS HOLFMILE FIELD (Continued)

S103393791

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

17
West
1/8-1/4
0.214 mi.
1129 ft.

WESTERN DIGITAL
3355 MICHELSON DR
IRVINE, CA 92612

RCRA-SQG
CERS HAZ WASTE
HAZNET
CERS

1014387882
CAR000214973

Relative:
Higher

Actual:
36 ft.

RCRA-SQG:

Date form received by agency: 2010-11-04 00:00:00.0
Facility name: WESTERN DIGITAL
Facility address: 3355 MICHELSON DR
IRVINE, CA 92612
EPA ID: CAR000214973
Contact: ANDREW E CUTHBERT
Contact address: 3355 MICHELSON DR STE 10
IRVINE, CA 92612
Contact country: US
Contact telephone: 949-672-7000
Telephone ext.: 26193
Contact email: ANDREW.CUTHBERT@WDC.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WESTERN DIGITAL
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2010-10-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: LBA IV-PPI-A
Owner/operator address: 17901 VON KARMAN AVE NO 950
IRVINE, CA 92612
Owner/operator country: US
Owner/operator telephone: 949-833-0400
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

Owner/Op start date: 2009-08-07 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Violation Status: No violations found

CERS HAZ WASTE:

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR STE 100
City,State,Zip: IRVINE, CA 92612
Site ID: 362110
CERS ID: 10573882
CERS Description: Hazardous Waste Generator

HAZNET:

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR
City,State,Zip: IRVINE, CA 926120000
Year: 2017
GEPAID: CAR000214973
Contact: HOOMAN BORHANI
Telephone: 9496726387
Mailing Name: Not reported
Mailing Address: 3355 MICHELSON DRIVE
Mailing City,St,Zip: IRVINE, CA 926120000
Gen County: Orange

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.01
CA Waste Code: 551-Laboratory waste chemicals
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR
City,State,Zip: IRVINE, CA 926120000
Year: 2017
GEPAID: CAR000214973
Contact: HOOMAN BORHANI
Telephone: 9496726387
Mailing Name: Not reported
Mailing Address: 3355 MICHELSON DRIVE
Mailing City,St,Zip: IRVINE, CA 926120000
Gen County: Orange
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.2
CA Waste Code: 221-Waste oil and mixed oil
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Orange

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR
City,State,Zip: IRVINE, CA 926120000
Year: 2017
GEPAID: CAR000214973
Contact: HOOMAN BORHANI
Telephone: 9496726387
Mailing Name: Not reported
Mailing Address: 3355 MICHELSON DRIVE
Mailing City,St,Zip: IRVINE, CA 926120000
Gen County: Orange
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.01
CA Waste Code: 223-Unspecified oil-containing waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR
City,State,Zip: IRVINE, CA 926120000
Year: 2017
GEPAID: CAR000214973
Contact: HOOMAN BORHANI
Telephone: 9496726387
Mailing Name: Not reported
Mailing Address: 3355 MICHELSON DRIVE
Mailing City,St,Zip: IRVINE, CA 926120000
Gen County: Orange
TSD EPA ID: CAD008302903

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

TSD County: Los Angeles
Tons: 0.01
CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR
City,State,Zip: IRVINE, CA 926120000
Year: 2017
GEPAID: CAR000214973
Contact: HOOMAN BORHANI
Telephone: 9496726387
Mailing Name: Not reported
Mailing Address: 3355 MICHELSON DRIVE
Mailing City,St,Zip: IRVINE, CA 926120000
Gen County: Orange
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.005
CA Waste Code: 791-Liquids with pH <= 2
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access
38 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:

Name: WESTERN DIGITAL
Address: 3355 MICHELSON DR STE 100
City,State,Zip: IRVINE, CA 92612
Site ID: 362110
CERS ID: 10573882
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 362110
Site Name: WESTERN DIGITAL
Violation Date: 08-21-2017
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 07/17/2018. 2017 annual review and
certification of chemical inventory on CERS was not completed. Review
was to have been completed by 3-1-17 and is now overdue. Complete
review and certification of facility's electronic disclosure on CERS,
and submit for Agency's acceptance, within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

Eval Date: 08-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Andy Cuthbert, senior director, and Hooman Borhani, EHS Engineer, were present for the inspection and provided consent to inspect. The facility's operations and the waste generated were discussed. The inspection included a walk outside behind the building. I did not observe hazardous waste in the facility's trash or as run off on the ground. The storage of the shop's hazardous waste, including universal waste, was inspected. We reviewed the required information to be marked on containers storing hazardous waste and containers storing universal waste. The signed off manifests for the removal of the facility's hazardous waste were on site and available for inspection. The receipts for the removal of the facility's universal waste were on site and available for inspection. The records were reviewed. Facility provided written emergency action plan for the employees.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials chemical inventory and business emergency plan (HMBP) inspection. Andy Cuthbert, senior director, and Hooman Borhani, EHS Engineer, were present for the inspection and provided consent to inspect. The inspection was to confirm the facility's electronic hazardous materials disclosure and business plan. We reviewed the facility's Hazardous material inventory on site. We reviewed the locations of the required items to be mapped. We discussed improvements to the facility's site map. Revisions will be requested via CERS (California Environmental Reporting System). Facility reported to conduct annual employee safety procedure training in the event of a release or a threatened release of hazardous material and maintains records of topics covered and employees trained.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-21-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility's 2016 electronic submittal was transferred from ESubmit to CERS (california environmental reporting system) on 11-18-16. Inspection was conducted 8-18-17 to confirm the facility's submission. Regulator's comments were updated in CERS for the 11-18-16 facility's submission to reflect on site observations. Hazardous materials inventory - not accepted. > ALL INVENTORY - must identify fire code hazard classes, this appears to have been omitted during data transfer, please replace. > Propane - storage temperature is ambient. Please correct. > Site map - Identify locations of facility's water shut off, storm drains (north of building), Identify 3337 Michelson building on site map, correct identification of sewer drain located in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

PAD area. Each map must have site orientation (north arrow).
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-05-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on eSubmit, DENIED. Request for resubmittal within 30 days

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: HMBEP Approval. The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for (# of chemicals) Facility Site Map

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and declined disclosure in e submit. Please address the following: There appears to be an incorrect EPA identification number. Use the correct number in the box on the business activity page. Double check the maximum daily amounts for the chemical disclosures. Maximum daily amount refers to the highest quantity of that particular chemical that would be stored on site. The threshold disclosure level for liquid is 55 gallons or greater. Delete any of the liquid disclosures that are below 55 gallons for maximum daily amount. The threshold disclosure level for argon and helium is 1000 cubic feet. both of these are listed as below 1000 cubic feet. The threshold disclosure level for acetylene is 200 cubic feet. This is listed as below 200 cubic feet. Combine both of the oxygen disclosures into one. Use 674 cubic feet as maximum daily amount. Put both of the locations in the location description box. There are three nitrogen disclosures. Combine the [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-13-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed revised hazmat disclosure submittal in Esubmit. Not accepted. Revise the Chemical Inventory page for Nitrogen: Report cryogenic material Physical State as Liquid. Revise the Chemical Inventory page for Oxygen: Storage Pressure is Above Ambient. Be sure to disclose any

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

hazardous wastes that are above reporting threshold volumes.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-17-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed revised hazmat disclosure submittal in Esubmit. Not Accepted.
There are two disclosures for Nitrogen with conflicting information.
Both disclosures state the Physical State is a Gas, yet you also state the Storage Temperature is Cryogenic and you are reporting in gallons.
If both are cryogenic, then revise the Chemical Inventory page for Nitrogen: Report cryogenic material Physical State as Liquid.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Onsite to conduct a routine hazardous waste inspection. Met with Andy Cuthbert and Hooman Borhani. Inspected used oil from compressors. Bases, acids and acetone from lab waste. Universal wastes. Drums were provided with a lid, stored in a secure manner and appear to be in good condition. The operator completes a maintenance inspection on the drums on a weekly basis. A Hazardous Waste label was noted on all drums with the required identification. Municipal dumpster area does not appear to contain any hazardous waste. Perimeter of facility inspected - did not observe any water runoff or staining at this time. Hazardous Waste Emergency Response plan was available for review. Manifests and bills of lading for all hazardous waste streams were reviewed today. Ensure all hazardous waste manifests/disposal documents are maintained on site for at least three years from the date of transport and are available for review during normal business hours. For more [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The purpose of this visit is to conduct a routine Hazardous Materials Disclosure inspection. Met with Andy Cuthbert and Hooman Borhani. During the inspection the following was observed: Reviewed list of chemicals stored onsite and online. Propane for the Fork Lifts needs to be disclosed on eSubmit Portal. Please login to eSubmit and update the chemical list. Reviewed training records onsite and online. The facility representative onsite stated that staff are trained at least yearly on emergency response procedures and hazardous waste management. The operator is also aware that new staff must be trained on emergency response within six months of employment and then yearly after that. Reviewed Business Emergency Plan / Plot Plan online.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

Completely reviewed Haz Mat Disclosure on the Orange County eSubmit Portal. For more information regarding Hazardous Materials Disclosure, or to sign up for our eNewsletter please visit <http://www.occupainfo.com/>

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow-up on a previous violation cited for the facility on 8/20/17 for the Hazardous Materials Program. Based on a review of the California Environmental Reporting System (CERS), the site has initiated the annual certification for 2018. However, revisions are required in order to complete the submittal. See comments in CERS. You have 30 days to complete the submittal before the violations are elevated and or the case will be forwarded to enforcement.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-01-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: No RP available
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Document Preparer
Entity Name: Hooman Borhani
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: Hooman Borhani
Entity Title: Not reported
Affiliation Address: 3355 Michelson Drive #100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN DIGITAL (Continued)

1014387882

Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92869
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Western Digital
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: (949) 672-7000

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3355 MICHELSON DR STE 100
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Western Digital
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: Hooman Borhani
Entity Title: EHS Engineer
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: Western Digital
Entity Title: Not reported
Affiliation Address: 3355 MICHELSON DR STE 100
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612
Affiliation Phone: (949) 672-7000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B18
NNE
1/4-1/2
0.327 mi.
1727 ft.
Site 1 of 2 in cluster B

CPS-SLIC
CERS HAZ WASTE
Orange Co. Industrial Site
DRYCLEANERS
CERS
S106174504
N/A

Relative:
Higher
Actual:
44 ft.

CPS-SLIC:
Name: DRY CLEAN EXPRESS
Address: 17595 HARVARD AVENUE
City,State,Zip: IRVINE, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/16/2004
Global Id: SLT8R0743957
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: 97IC036
Latitude: 33.675739
Longitude: -117.830624
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
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 HAZ WASTE:

Name: PARADISE CLEANERS
Address: 17595 HARVARD AVE STE H
City,State,Zip: IRVINE, CA 92614
Site ID: 367400
CERS ID: 10555816
CERS Description: Hazardous Waste Generator

Orange Co. Industrial Site:

Name: PARADISE CLEANERS (FORMER DRY CLEAN EXPRESS)
Address: 17595 HARVARD AVE
City,State,Zip: IRVINE, CA 92714
Case ID: 97IC036
Record ID: RO0000606
Current Status: CLOSED 6/16/2004
Closure Type: Closure certification issued
Released Chemical: PERCHLOROETHYLENE; TRICHLOROETHYLENE; DICHLOROETHYLENE (1,2)

DRYCLEANERS:

Name: PARADISE CLEANERS
Address: 17595 HARVARD AVE
City,State,Zip: IRVINE, CA 926148516
EPA Id: CAL000301370
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 12/13/2005
Facility Active: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: CHOON OH
Owner Address: 17595 HARVARD AVE
Owner Address 2: Not reported
Owner Telephone: 9498339443
Contact Name: JASON OH
Contact Address: 2851 TIMBERLYN TRAIL RD
Contact Address 2: Not reported
Contact Telephone: 5623552977
Mailing Name: Not reported
Mailing Address 1: 17595 HARVARD AV #H
Mailing Address 2: Not reported
Mailing City: IRVINE
Mailing State: CA
Mailing Zip: 926140000
Owner Fax: 0000000000
Region Code: 4

CERS:

Name: PARADISE CLEANERS
Address: 17595 HARVARD AVE STE H
City,State,Zip: IRVINE, CA 92614
Site ID: 367400
CERS ID: 10555816
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 367400
Site Name: PARADISE CLEANERS
Violation Date: 10-28-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 12/27/2014.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 367400
Site Name: PARADISE CLEANERS
Violation Date: 10-28-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/27/2014.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Gil Villegas, manager, was present for the inspection and provided consent to inspect. Jason Choon Oh, president, was also present for the records review. The storage of the shop's hazardous waste was inspected. The storage container was closed and labeled with the required information. The receipts for the removal of the facility's hazardous waste were on site and available for inspection. The records for the last year were reviewed. Written spill response directions and emergency contact numbers must be provided for the employees. A hazardous waste emergency response card was provided for use.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Gilberto Villegas, manager, was present for the inspection and provided consent to inspect. The inspection included a walk behind the building. I did not observe hazardous waste in the facility's trash or as run off on the ground. The storage of the shop's hazardous waste was inspected. The storage container was stored closed and labeled. The receipts for the removal of the facility's hazardous waste were on site and available for inspection. The records were reviewed. A hazardous waste emergency response card was provided for fill in and posting for the employees. report PDF to appaandy@yahoo.com

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials chemical inventory and business emergency plan (HMBEP) inspection. Gilberto Villegas, manager, was present for the inspection and provided consent to inspect. We reviewed the facility's Hazardous material inventory on site. We confirmed the locations of the required items to be mapped. The facility will be CERS (California Environmental Reporting System) for their electronic HMBEP submissions (ESubmit data has been transferred to the CERS website for access. Julie, daughter of owner, and I discussed revisions requested for the facility's submissions in CERS. Improvements to the facility's site map were discussed. Facility conducts annual employee safety procedure training in the event of a release or a threatened release of hazardous material and will maintain records of topics covered and employees trained. report PDF to appandy@yahoo.com

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

Eval Date: 04-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Numerous errors noted on the 12-2-14 submittal. Submittal was accepted requiring a 2015 submittal. A 2015 submittal was not pending review. Notes made for inspection.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials chemical inventory and business emergency plan inspection. Gilberto Villegas, front counter, was present for the inspection and provided consent to inspect. The inspection was to confirm the facility's electronic hazardous materials disclosure and business plan. We reviewed the facility's Hazardous material and waste inventory on site. We discussed the locations of the required items to be mapped and hazardous materials to be disclosed. We discussed the facility's status in electronic submittal compliance. This Agency had received the facility's submittal for review. Revisions will be requested.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials chemical inventory and business emergency plan inspection. Choon Shik Jason Oh, owner, was present for the inspection and provided consent to inspect. The inspection was to confirm the facility's electronic hazardous materials disclosure and business plan. We confirmed the locations of the required items to be mapped and hazardous materials to be disclosed. The facility had DF-2000 fluid for dry cleaning on site that required disclosure. We discussed the facility's status in electronic submittal (e-submit) compliance. This Agency had accepted the facility's submittal requiring re-submittal. Facility must follow up and resubmit. Revisions were discussed. report PDF to ocsoh@yahoo.com
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: obtain copy of submittal and other docs to assist owner in compliance.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

Eval General Type:	Other/Unknown
Eval Date:	06-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	From: Krall, Joyce Sent: Thursday, June 18, 2015 3:58 PM To: 'ocsoh@yahoo.com' Subject: HAZARDOUS MATERIAL DISCLOSURE Hello Jason, Thank you for Paradise Cleaner?s hazardous material disclosure on e-submit. Several revisions are requested so that it may be accepted. Please access e-submit, revise as requested, and re-submit within 30 days. > Emergency Plan was not completed. Please fill in the blanks as requested. > Site map must show the locations of: - Emergency shut offs (water shut off, gas shut off), - Storm drain and sewer openings, - Hazardous material storage area, - Area fire hydrant(s), - Evacuation staging area, - North arrow. Please contact me if you should have any questions. Regards, Joyce Krall, REHS
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Hazardous material disclosure was reviewed on e-submit and denied. Please access e-submit, conduct the requested revisions, and re submit. > Emergency Plan was not completed. Please fill in the blanks as requested. > Site map must show the locations of: - Emergency shut offs (water shut off, gas shut off), - Storm drain and sewer openings, - Hazardous material storage area, - Area fire hydrant(s), - Evacuation staging area, - North arrow.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-26-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review pre 2015 HMBEP submission. Accepted pending review of the more recent submission.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-28-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During the months of August and December of 2013, the OC CUPA sent out letters to regulated businesses requesting them to electronically submit their HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

records there is no electronic submission for this facility. Please go to www.esubmit.ocgov.com to request a username and password and submit your HMD/BEP forms within the next 30 days. Businesses may also submit forms via the California Environmental Reporting System. Please verify that all owner information that is prepopulated on the E-Submit Portal is still [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-17-2014

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: From: Dong, Alvin Sent: Monday, November 17, 2014 12:13 PM To: 'xjulliex@yahoo.com' Subject: inspection report Hello Julie, Here is your inspection report. You should have received your, user name and password www.esubmit.ocgov.com. You must submit your disclosure immediately. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please call (714) 433-6000 and request to speak to the portal administrator. If you have any questions, please let me know. Thanks, Alvin Dong Hazardous Waste Specialist Environmental Health Division 714 640-9358 voice 714 754 1768 fax

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-22-2016

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Submission reviewed on CERs. Noted it was accepted with inaccurate information. Printed out docs to work with owner on site inspection. Researching history, an accepted submission of bad info in 2014 was transferred over to CERS. The later much improved (accurate activities and inventory form) was not accepted on ESubmit and left behind. The later had a bad map and revisions had been requested for acceptance. Thus, I went into CERS and updated submission status. Facility info - Not accepted. > Submit the correct business activities form. Business has hazardous materials on site (YES) and generates hazardous waste (YES). An on site inspection had been conducted. Your other business activities on this form should be NO. Haz Mat inventory - Not accepted. > An on site inspection was conducted. Please delete the hazardous material inventory form for "oil". Please add an inventory form for "DF-2000 fluid". Also, upload the facility's map. Emergency response plans - Not [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-26-2013

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Inspection attempted. Lone employee on site was worker Gilberto, who did not provide consent to inspect. He requested that I return when

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

either the owner or manager would be present. He stated that they would be present after the holidays.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Identification Signer
Entity Name: Jason Oh
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: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 17595 HARVARD AVE STE H
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92614
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Paradise Cleaners
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: OHS PARADISE INC
Entity Title: Not reported
Affiliation Address: 17595 HARVARD AVE STE H
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92614
Affiliation Phone: (949) 833-9443

Affiliation Type Desc: Operator
Entity Name: Choon Shik Jason Oh
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: (949) 833-9443

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADISE CLEANERS (Continued)

S106174504

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Document Preparer
Entity Name: Jason Oh
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: Veolia
Entity Title: Not reported
Affiliation Address: 5202 Oceanus Drive
Affiliation City: Huntington Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92649
Affiliation Phone: Not reported

B19
NNE
1/4-1/2
0.327 mi.
1727 ft.

DRY CLEAN EXPRESS
17595 HARVARD AVENUE
IRVINE, CA

Site 2 of 2 in cluster B

CPS-SLIC
CERS

S103444677
N/A

Relative: SLIC REG 8:
Higher Name: DRY CLEAN EXPRESS
Address: 17595 HARVARD AVENUE
Actual: City: IRVINE
44 ft. Type: Soil and Groundwater
Facility Status: Additional Characterization Underway
Staff: WDM
Substance: PCE
Lead Agency: Regional Board
Location Code: I-13
Thomas Bros Code: 860-A6

CERS:
Name: DRY CLEAN EXPRESS
Address: 17595 HARVARD AVENUE
City, State, Zip: IRVINE, CA
Site ID: 194741
CERS ID: SLT8R0743957
CERS Description: Cleanup Program Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C20
West
1/4-1/2
0.402 mi.
2123 ft.
Relative:
Lower
Actual:
26 ft.

FLUOR TECHNOLOGY, INC
3333 MICHELSON DR
IRVINE, CA 92620
Site 1 of 2 in cluster C

RCRA-SQG
LUST
HIST UST
Orange Co. Industrial Site
FINDS
ECHO
EMI
NPDES
CIWQS
CERS

1000340689
CAD981387772

RCRA-SQG:

Date form received by agency: 1986-02-14 00:00:00.0
Facility name: FLUOR TECHNOLOGY, INC
Facility address: 3333 MICHELSON DR
IRVINE, CA 92620
EPA ID: CAD981387772
Contact: ENVIRONMENTAL MANAGER
Contact address: 3333 MICHELSON DR
IRVINE, CA 92730
Contact country: US
Contact telephone: 714-975-5692
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: TRAMELL-CROW CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

ORANGE CO. LUST:

Name: FLUOR TECHNOLOGY INC
Address: 3333 MICHELSON DR
City,State,Zip: IRVINE, CA 92730
Region: ORANGE
Facility Id: 86UT241
Released Substance: Unleaded gasoline
Date Closed: 04/18/1994
Record ID: RO0001745

LUST REG 8:

Name: FLUOR TECHNOLOGY INC
Address: 3333 MICHELSON
City: IRVINE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083000516T
Local Case Num: 86UT241
Case Type: Other ground water affected
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605900411
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 12/1/1986
Enforcement Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Close Date:	4/18/1994
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6705183
Longitude:	-117.8387319
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

LUST:

Name:	FLUOR TECHNOLOGY INC
Address:	3333 MICHELSON
City,State,Zip:	IRVINE, CA 92730
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900411
Global Id:	T0605900411
Latitude:	33.6705183
Longitude:	-117.8387319
Status:	Completed - Case Closed
Status Date:	04/18/1994
Case Worker:	JW
RB Case Number:	083000516T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	86UT241
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605900411
Contact Type:	Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605900411
Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

LUST:

Global Id: T0605900411
Action Type: REMEDIATION
Date: 06/21/1985
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900411
Action Type: REMEDIATION
Date: 06/21/1985
Action: Other (Use Description Field)

Global Id: T0605900411
Action Type: Other
Date: 12/01/1986
Action: Leak Reported

Global Id: T0605900411
Action Type: Other
Date: 12/01/1986
Action: Leak Discovery

LUST:

Global Id: T0605900411
Status: Open - Case Begin Date
Status Date: 12/01/1986

Global Id: T0605900411
Status: Completed - Case Closed
Status Date: 04/18/1994

HIST UST:

Name: FLUOR CORPORATION
Address: 3333 MICHELSON DR
City,State,Zip: IRVINE, CA 92730
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000007219
Facility Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Other Type:	Not reported
Contact Name:	Not reported
Telephone:	7149752000
Owner Name:	FLUOR CORPORATION
Owner Address:	3333 MICHELSON DRIVE
Owner City,St,Zip:	IRVINE, CA 92730
Total Tanks:	0005
Tank Num:	001
Container Num:	05
Year Installed:	1976
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Vapor Sniff Well, Groundwater Monitoring Well, Pressure Test
Tank Num:	002
Container Num:	04
Year Installed:	1976
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Vapor Sniff Well, Groundwater Monitoring Well, Pressure Test
Tank Num:	003
Container Num:	03
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Vapor Sniff Well, Groundwater Monitoring Well, Pressure Test
Tank Num:	004
Container Num:	02
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Vapor Sniff Well, Groundwater Monitoring Well, Pressure Test
Tank Num:	005
Container Num:	01
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Vapor Sniff Well, Groundwater Monitoring Well, Pressure Test

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Orange Co. Industrial Site:

Name: FLUOR DANIEL INC
Address: 3333 MICHELSON DR
City,State,Zip: IRVINE, CA 92730
Case ID: 90IC034
Record ID: RO0000266
Current Status: CLOSED 11/25/1991
Closure Type: Closed pre 1994, file review required to determine closure type
Released Chemical: WASTE (OR SLOP) OIL

FINDS:

Registry ID: 110001173587

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: 1000340689
Registry ID: 110001173587
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001173587>

EMI:

Name: CROW WINTHROP OPERATING PARTNE
Address: 3333 MICHELSON DR
City,State,Zip: IRVINE, CA 92730
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 55209
Air District Name: SC
SIC Code: 8731
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

NPDES:

Name:	PARK PLACE HOTEL & MICHELSON APARTMENTS INFRASTRUCTURE
Address:	3333 MICHELSON DRIVE
City,State,Zip:	IRVINE, CA 92612
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 30C368754
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:	04/04/2016
Operator Name:	LBA IV PPI LLC
Operator Address:	3347 Michelson Suite 200
Operator City:	Irvine
Operator State:	California
Operator Zip:	92612

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	442766
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 30C368754
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:	03/04/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/03/2013
Processed Date:	01/24/2014
Status:	Terminated
Status Date:	04/04/2016
Place Size:	8.7
Place Size Unit:	Acres

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Contact:	Edward Elowe
Contact Title:	Not reported
Contact Phone:	949-955-9333
Contact Phone Ext:	Not reported
Contact Email:	eelowe@lbarealty.com
Operator Name:	LBA IV PPI LLC
Operator Address:	3347 Michelson Suite 200
Operator City:	Irvine
Operator State:	California
Operator Zip:	92612
Operator Contact:	Edward Elowe
Operator Contact Title:	Not reported
Operator Contact Phone:	949-955-9333
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eelowe@lbarealty.com
Operator Type:	Private Business
Developer:	LBA IV PPI LLC
Developer Address:	3347 Michelson Suite 200
Developer City:	Irvine
Developer State:	California
Developer Zip:	92612
Developer Contact:	Edward Elowe
Developer Contact Title:	Not reported
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:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	Y
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:	San Diego Creek
Certifier:	Edward Elowe
Certifier Title:	Sr Project Manager
Certification Date:	03-DEC-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	442766
Order Number:	2009-0009-DWQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30C368754
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/24/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	03/04/2016
Discharge Name:	LBA IV PPI LLC
Discharge Address:	3347 Michelson Suite 200
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92612
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

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:	PARK PLACE HOTEL & MICHELSON APARTMENTS INFRASTRUCTURE
Address:	3333 MICHELSON DRIVE
City,State,Zip:	IRVINE, CA 92612
Agency:	LBA IV PPI LLC
Agency Address:	3347 Michelson Suite 200, Irvine, CA 92612
Place/Project Type:	Construction - Reconstruction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 30C368754
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/24/2014
Termination Date:	03/04/2016
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:	33.671667
Longitude:	-117.843611

CERS:

Name:	FLUOR TECHNOLOGY INC
Address:	3333 MICHELSON
City,State,Zip:	IRVINE, CA 92730
Site ID:	202174
CERS ID:	T0605900411
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	1241 EAST DYER ROAD SUITE 120
Affiliation City:	SANTA ANA
Affiliation State:	CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR TECHNOLOGY, INC (Continued)

1000340689

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

C21
West
1/4-1/2
0.402 mi.
2123 ft.

FLUOR CORPORATION
3333 MICHELSON
IRVINE, CA 92730

Site 2 of 2 in cluster C

ENF
HIST CORTESE
CIWQS

S101126338
N/A

Relative:
Lower

ENF:
Name: GW CLEANUP-IRVINE
Address: 3333 MICHELSON
City,State,Zip: IRVINE, CA 92730
Region: 8
Facility Id: 228345
Agency Name: Not reported
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: 4959
SIC Desc 1: Sanitary Services, NEC
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: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: Not reported

Actual:
26 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR CORPORATION (Continued)

S101126338

Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
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:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	222428
Region:	8
Order / Resolution Number:	85-123
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	08/09/1985
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	CAO 85-123 for Fluor Engineers
Description:	INITIATE GROUNDWATER CLEANUP.
Program:	UST
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:	FLUOR CORPORATION
edr_fadd1:	3333 MICHELSON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLUOR CORPORATION (Continued)

S101126338

City,State,Zip: IRVINE, CA 92730
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000516T

CIWQS:

Name: GW CLEANUP-IRVINE
Address: 3333 MICHELSON
City,State,Zip: IRVINE, CA 92730
Agency: Fluor Engineers Inc
Agency Address: 3333 Michelson Drive, Irvine, CA 92730
Place/Project Type: Manufacturing NEC
SIC/NAICS: 4959
Region: 8
Program: NPDESWW
Regulatory Measure Status: Historical
Regulatory Measure Type: WDR
Order Number: 85-138
WDID: 8 302498001
NPDES Number: Not reported
Adoption Date: 10/11/1985
Effective Date: 10/11/1985
Termination Date: 04/18/1994
Expiration/Review Date: 10/01/1990
Design Flow: 0.04
Major/Minor: Not reported
Complexity: B
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: Not reported
Longitude: Not reported

22
SSE
1/4-1/2
0.410 mi.
2163 ft.

RANCHO SAN JOAQUIN GOLF COURSE
1 ETHEL COPLEN
IRVINE, CA 92612

CPS-SLIC
CERS

S110819442
N/A

Relative:
Higher
Actual:
64 ft.

CPS-SLIC:
Name: RANCHO SAN JOAQUIN GOLF COURSE
Address: 1 ETHEL COPLEN
City,State,Zip: IRVINE, CA 92612
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/30/2013
Global Id: T10000002929
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.6649140089467
Longitude: -117.833719121704
Case Type: Cleanup Program Site
Case Worker: JPL
Local Agency: Not reported
RB Case Number: 8 303263N01
File Location: Regional Board

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RANCHO SAN JOAQUIN GOLF COURSE (Continued)

S110819442

Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Vinyl chloride
Site History: The Orange County Waste & Recycling (OCW&R) operated the Lane Road Landfill, a municipal solid waste landfill, at this location from 1961 to 1964. American Golf Corp. (AGC) has owned and operated the Rancho San Joaquin Golf Course at this location since 1964. Landfill gas has impacted groundwater just downgradient of the site. AGC installed a gas (LFG) collection system to address landfill gas migration along the eastern portion of the site in December 2006. The OCW&R took over the LFG system operation in Jan. 2008 and expanded the existing LFG system to the north of the site. The operation of the LFG system has helped to reduce the LFG impact groundwater. Currently, vinyl chloride is detected at 0.7 microgram per litre in Well MW-4, the compliance well for the site. However, adequate site drainage will also help in water infiltration through cover and LFG production. AGC is required to provide adequate drainage control under CAO No. R8-2007-0077. CAO No. R8-2007-0077 was rescinded in April 2014 after the Board adopted waste discharge requirements, Order No. R8-2014-0048, for postclosure maintenance at the golf course, the former Lane Road Landfill. Order No. R8-2014-0048 incorporates the implementation schedules for the remaining drainage improvement projects at the site required under CAO No. R8-2007-0077. For technical reports (landfill cover inspection and maintenance reports, watershed basin drainage improvement projects) submitted by Rancho San Joaquin Golf Course, please go to: LANDFILL,LANE ROAD (INACTIVE) (Global ID# L10002492994) in Geotracker.

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: RANCHO SAN JOAQUIN GOLF COURSE
Address: 1 ETHEL COPLEN
City,State,Zip: IRVINE, CA 92612
Site ID: 249700
CERS ID: T10000002929
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOANNE LEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D23
North
1/4-1/2
0.427 mi.
2253 ft.

SHELL OIL
3090 MAIN
IRVINE, CA 92614

Site 1 of 2 in cluster D

LUST
Cortese
CERS

S103990626
N/A

Relative:
Higher

ORANGE CO. LUST:

Actual:
36 ft.

Name: SHELL OIL
Address: 3090 MAIN ST
City,State,Zip: IRVINE, CA 92614
Region: ORANGE
Facility Id: 03UT031
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Record ID: RO0003216

LUST:

Name: SHELL OIL
Address: 3090 MAIN
City,State,Zip: IRVINE, CA 92614
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605922792
Global Id: T0605922792
Latitude: 33.678035011
Longitude: -117.8341282
Status: Open - Site Assessment
Status Date: 09/17/2003
Case Worker: SB
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 03UT031
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id: T0605922792
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605922792
Contact Type: Local Agency Caseworker
Contact Name: SARA BOYER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. Dyer Road, Suite 120
City: SANTA ANA
Email: sboyer@ochca.com
Phone Number: 7144336264

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL (Continued)

S103990626

LUST:

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 05/21/2015
Action: File review

Global Id: T0605922792
Action Type: Other
Date: 06/05/2003
Action: Leak Discovery

Global Id: T0605922792
Action Type: RESPONSE
Date: 08/27/2019
Action: Request for Closure

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 06/15/2010
Action: Staff Letter

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 05/24/2011
Action: File review

Global Id: T0605922792
Action Type: RESPONSE
Date: 02/22/2017
Action: Well Installation Workplan - Regulator Responded

Global Id: T0605922792
Action Type: RESPONSE
Date: 09/26/2018
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0605922792
Action Type: RESPONSE
Date: 02/28/2019
Action: Other Workplan - Regulator Responded

Global Id: T0605922792
Action Type: RESPONSE
Date: 12/10/2018
Action: Request for Closure - Regulator Responded

Global Id: T0605922792
Action Type: REMEDIATION
Date: 06/01/2003
Action: Excavation

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 07/28/2003
Action: Notice of Responsibility

Global Id: T0605922792

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL (Continued)

S103990626

Action Type:	ENFORCEMENT
Date:	07/28/2003
Action:	* Verbal Communication
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	03/06/2008
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	08/26/2004
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	04/26/2005
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	07/13/2004
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	08/04/2005
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	11/14/2006
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	12/23/2004
Action:	Warning Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	12/20/2007
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	02/23/2017
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	04/07/2017
Action:	Staff Letter
Global Id:	T0605922792
Action Type:	ENFORCEMENT
Date:	01/31/2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL (Continued)

S103990626

Action: Closure Denial Letter

Global Id: T0605922792
Action Type: Other
Date: 07/21/2003
Action: Leak Reported

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Staff Letter

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 10/05/2018
Action: Staff Letter

Global Id: T0605922792
Action Type: RESPONSE
Date: 10/25/2003
Action: Preliminary Site Assessment Workplan

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 03/22/2019
Action: Staff Letter

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 04/18/2019
Action: Closure Denial Letter

Global Id: T0605922792
Action Type: ENFORCEMENT
Date: 06/17/2014
Action: File review

LUST:

Global Id: T0605922792
Status: Open - Case Begin Date
Status Date: 06/05/2003

Global Id: T0605922792
Status: Open - Site Assessment
Status Date: 09/17/2003

CORTESE:

Name: SHELL OIL
Address: 3090 MAIN
City,State,Zip: IRVINE, CA 92614
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605922792
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL (Continued)

S103990626

Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: SHELL OIL
Address: 3090 MAIN
City,State,Zip: IRVINE, CA 92614
Site ID: 187713
CERS ID: T0605922792
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SARA BOYER - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. Dyer Road, Suite 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336264

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

D24
North
1/4-1/2
0.427 mi.
2253 ft.

SHELL OIL
3090 MAIN ST.
IRVINE, CA 92618
Site 2 of 2 in cluster D

LUST S105960661
N/A

Relative:
Higher
Actual:
36 ft.

LUST REG 8:
Name: SHELL OIL
Address: 3090 MAIN ST.
City: IRVINE
Region: 8

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL (Continued)

S105960661

County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	Not reported
Local Case Num:	03UT031
Case Type:	Undefined
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	VER
Funding:	Not reported
How Discovered:	UM
How Stopped:	NPP
Leak Cause:	Unknown
Leak Source:	Piping
Global ID:	T0605922792
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/5/2003
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	9/17/2003
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E25
SE
1/4-1/2
0.470 mi.
2480 ft.

UNOCAL #6404
18011 CULVER DR
IRVINE, CA 92715
Site 1 of 4 in cluster E

HIST UST
CA FID UST
HIST CORTESE

S101609640
N/A

Relative:
Higher

Actual:
59 ft.

HIST UST:

Name: UNION OIL SERVICE STATION 640
Address: 18011 CULVER DRIVE
City,State,Zip: IRVINE, CA 92715
File Number: 0002D5E5
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D5E5.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 30001371
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147867616
Mail To: Not reported
Mailing Address: 911 WILSHIRE BLVD STE 10
Mailing Address 2: Not reported
Mailing City,St,Zip: IRVINE 92715
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:

edr_fname: UNOCAL #6404
edr_fadd1: 18011
City,State,Zip: IRVINE, CA 92715
Region: CORTESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #6404 (Continued)

S101609640

Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002226T

E26
SE
1/4-1/2
0.470 mi.
2480 ft.

UNOCAL #6404
18011 CULVER
IRVINE, CA 92715
Site 2 of 4 in cluster E

LUST **S106176663**
N/A

Relative:
Higher

LUST REG 8:

Actual:
59 ft.

Name: UNOCAL #6404
Address: 18011 CULVER
City: IRVINE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Remedial action (cleanup) Underway
Case Number: 083002226T
Local Case Num: 93UT012
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: SEL
Funding: Not reported
How Discovered: OM
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605901634
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 2/4/1993
Enforcement Date: Not reported
Close Date: Not reported
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: 6/4/2003
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: =
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6658046
Longitude: -117.8267476
MTBE Date: 2/12/2002
Max MTBE GW: 16000
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #6404 (Continued)

S106176663

MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

**E27
SE
1/4-1/2
0.470 mi.
2480 ft.**

**CULVER AUTO SPA
18011 CULVER DR
IRVINE, CA 92612**

**LUST U003433080
UST N/A
CERS**

Site 3 of 4 in cluster E

**Relative:
Higher**

ORANGE CO. LUST:

**Actual:
59 ft.**

Name:	UNOCAL #6404
Address:	18011 CULVER DR
City,State,Zip:	IRVINE, CA 92612
Region:	ORANGE
Facility Id:	93UT012
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	05/22/2014
Record ID:	RO0001167

LUST:

Name:	UNOCAL #6404
Address:	18011 CULVER
City,State,Zip:	IRVINE, CA 92612
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901634
Global Id:	T0605901634
Latitude:	33.6658046
Longitude:	-117.8267476
Status:	Completed - Case Closed
Status Date:	05/22/2014
Case Worker:	JW
RB Case Number:	083002226T
Local Agency:	ORANGE COUNTY LOP
File Location:	Local Agency
Local Case Number:	93UT012
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id:	T0605901634
Contact Type:	Local Agency Caseworker
Contact Name:	JULIE WOZENCRAFT
Organization Name:	ORANGE COUNTY LOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CULVER AUTO SPA (Continued)

U003433080

Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

Global Id: T0605901634
Contact Type: Regional Board Caseworker
Contact Name: NANCY OLSON-MARTIN
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: nolson-martin@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 05/17/2011
Action: File review

Global Id: T0605901634
Action Type: REMEDIATION
Date: 01/31/1997
Action: Other (Use Description Field)

Global Id: T0605901634
Action Type: REMEDIATION
Date: 01/31/1997
Action: Soil Vapor Extraction (SVE)

Global Id: T0605901634
Action Type: REMEDIATION
Date: 08/01/2002
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 02/23/1993
Action: Notice of Responsibility

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 01/18/2007
Action: Staff Letter

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 12/15/2005
Action: Staff Letter

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 11/14/2007
Action: Staff Letter

Global Id: T0605901634
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CULVER AUTO SPA (Continued)

U003433080

Date:	03/06/2008
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	07/16/2004
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	Other
Date:	02/08/1993
Action:	Leak Reported
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	05/25/2006
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	04/28/2005
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	03/30/2007
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	11/10/2008
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	04/24/2012
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	12/20/2013
Action:	Notification - Public Participation Document
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	07/13/2009
Action:	Staff Letter
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	12/20/2013
Action:	LOP Case Closure Summary to RB
Global Id:	T0605901634
Action Type:	ENFORCEMENT
Date:	12/20/2013
Action:	LOP Case Closure Summary to RB

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CULVER AUTO SPA (Continued)

U003433080

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 05/22/2014
Action: Closure/No Further Action Letter

Global Id: T0605901634
Action Type: ENFORCEMENT
Date: 02/19/2014
Action: Notification - Preclosure

Global Id: T0605901634
Action Type: Other
Date: 02/04/1993
Action: Leak Discovery

LUST:

Global Id: T0605901634
Status: Open - Case Begin Date
Status Date: 02/04/1993

Global Id: T0605901634
Status: Open - Remediation
Status Date: 06/04/2003

Global Id: T0605901634
Status: Open - Eligible for Closure
Status Date: 04/11/2013

Global Id: T0605901634
Status: Completed - Case Closed
Status Date: 05/22/2014

ORANGE CO. UST:

Name: CULVER AUTO SPA
Address: 18011 CULVER DR
City,State,Zip: IRVINE, CA 92612
Facility ID: FA0054887

UST:

Name: CULVER AUTO SPA
Address: 18011 CULVER DR
City,State,Zip: IRVINE, CA 92612
Facility ID: FA0054887
Permitting Agency: Orange County Environmental Health
Latitude: 33.6656
Longitude: -117.82678

Name: UNOCAL #6404
Address: 18011 CULVER DR
City,State,Zip: IRVINE, CA 92612
Facility ID: 2388
Permitting Agency: ORANGE COUNTY
Latitude: 33.66542
Longitude: -117.82685

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CULVER AUTO SPA (Continued)

U003433080

CERS:

Name: UNOCAL #6404
Address: 18011 CULVER
City,State,Zip: IRVINE, CA 92612
Site ID: 237792
CERS ID: T0605901634
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NANCY OLSON-MARTIN - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

28
ESE
1/4-1/2
0.475 mi.
2506 ft.

ORANGE COUNTY-LANE ROAD
LANE & CULVER RDS MICHELSON DR
IRVINE, CA

WMUDS/SWAT **S101613966**
N/A

Relative:
Higher

Actual:
58 ft.

WMUDS/SWAT:

Edit Date: 19950825
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: SB
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: ORANGE COUNTY
Agency Department: INTEGRATED WASTE MNGT
Agency Address: LANE & CULVER RDS MICHELSON DR
Agency City,St,Zip: IRVINE
Agency Contact: SUZANNE MCCLANAHAN
Agency Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY-LANE ROAD (Continued)

S101613966

Land Owner Name: THE IRVINE COMPANY
Land Owner Address: 550 NEWPORT CENTER DR.
Land Owner City,St,Zip: NEWPORT BEACH, CA 92660
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 8
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: EDWBIHBIH
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: ORANGE COUNTY
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: GSR
Number of WMUDS at Facility: 1
Section Range: 6 9 8
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 8 300021NUR
Solid Waste Information ID: Not reported

E29
SE
1/4-1/2
0.498 mi.
2629 ft.

CHEVRON #9-6698
18002 CULVER
IRVINE, CA 92715

Site 4 of 4 in cluster E

Relative:
Higher

Actual:
60 ft.

ORANGE CO. LUST:

Name: CHEVRON #9-6698
Address: 18002 CULVER DR
City,State,Zip: IRVINE, CA 92612
Region: ORANGE
Facility Id: 92UT122
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 09/15/2011
Record ID: RO0002769

LUST REG 8:

Name: CHEVRON #9-6698
Address: 18002 CULVER
City: IRVINE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Post remedial action monitoring
Case Number: 083001852T
Local Case Num: 92UT122

LUST
CA FID UST
CHMIRS
HIST CORTESE
CERS

S101631388
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	SEL
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901386
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	10/22/1992
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	8/1/2000
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6657576
Longitude:	-117.8264736
MTBE Date:	8/19/2003
Max MTBE GW:	1900
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	SS
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

LUST:

Name:	CHEVRON #9-6698
Address:	18002 CULVER
City,State,Zip:	IRVINE, CA 92612
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901386
Global Id: T0605901386
Latitude: 33.6652287727402
Longitude: -117.826266288757
Status: Completed - Case Closed
Status Date: 09/15/2011
Case Worker: JW
RB Case Number: 083001852T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 92UT122
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Please refer to recent Site Documents or Monitoring Reports in GeoTracker for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

LUST:

Global Id: T0605901386
Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

Global Id: T0605901386
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 05/09/2011
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 09/15/2011
Action: Closure/No Further Action Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 04/04/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 03/31/2011
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 10/27/1992
Action: Notice of Responsibility

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 11/14/2003
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 03/26/2008
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 05/25/2006
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 10/17/2005
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 02/16/2006
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 04/08/2005
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 09/28/2006
Action: Staff Letter

Global Id: T0605901386
Action Type: Other
Date: 10/22/1992
Action: Leak Reported

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Staff Letter

Global Id: T0605901386
Action Type: ENFORCEMENT
Date: 03/31/2011
Action: Staff Letter

Global Id: T0605901386
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Date: 10/22/1992
Action: Leak Discovery

LUST:

Global Id: T0605901386
Status: Open - Case Begin Date
Status Date: 10/22/1992

Global Id: T0605901386
Status: Open - Verification Monitoring
Status Date: 08/01/2000

Global Id: T0605901386
Status: Completed - Case Closed
Status Date: 09/15/2011

CA FID UST:

Facility ID: 30001160
Regulated By: UTKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147867575
Mail To: Not reported
Mailing Address: P O BOX 2833 1300 S
Mailing Address 2: Not reported
Mailing City,St,Zip: IRVINE 92715
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CHMIRS:

Name: Not reported
Address: 18002 CULVER ROAD
City,State,Zip: IRVINE, CA
OES Incident Number: 12-3593
OES notification: 06/20/2012
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Responding Agency Personnel # 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: No
Waterway: Not reported
Spill Site: Service Station
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Oz.
Other: Not reported
Date/Time: 700
Year: 2012
Agency: NRC
Incident Date: 6/20/2012
Admin Agency: Orange County Emergency Management Division
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Diesel
Quantity Released: 16
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
FataIs: Not reported
Comments: Not reported
Description: Per NRC report: "Caller stated that there was a discharge of 16 ounces of diesel fuel from a pump at a gas station while a vehicle was fueling, the auto shut off feature on the pump did not shut off." REMEDIAL ACTIONS: " Absorbents applied, clean up complete."

Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Address: 18002 CULVER DR.
City,State,Zip: IRVINE, CA 92612
OES Incident Number: 4-3641
OES notification: 06/27/2014
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: Merchant/Business
Cleanup By: No
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: SEWAGE
Measure: Gal(s)
Other: Not reported
Date/Time: 1001
Year: 2014
Agency: Irvine Ranch Water District
Incident Date: 6/27/2014
Admin Agency: Not reported
Amount: Not reported
Contained: Unknown
Site Type: Storm Drain
E Date: Not reported
Substance: Sewage
Quantity Released: 0-1,000
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: No
#2 Pipeline: No
#3 Pipeline: No
#1 Vessel >= 300 Tons: No
#2 Vessel >= 300 Tons: No
#3 Vessel >= 300 Tons: No
Evacs: No
Injuries: Blockage
Fataals: No
Comments: Not reported
Description: Caller states: A blockage in a private lateral
caused the release from a private sewer manhole.
An unknown amount of the release entered a storm
drain.

Name: Not reported
Address: 18002 CULVER DR
City,State,Zip: IRVINE, CA 92612
OES Incident Number: 15-0115
OES notification: 01/08/2015
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 Agncy 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: No
Waterway: Not reported
Spill Site: Service Station
Cleanup By: N/A
Containment: Not reported
What Happened: Not reported
Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Oz.
Other:	Not reported
Date/Time:	37
Year:	2015
Agency:	Chevron Brea
Incident Date:	01/08/2015
Admin Agency:	Orange County Emergency Management Division
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Fuel - Gasoline
Quantity Released:	32
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:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Material discovered on concrete, unknown cause, material evaporated and no clean up required.

HIST CORTESE:

edr_fname:	CHEVRON #9-6698
edr_fadd1:	18002
City,State,Zip:	IRVINE, CA 92715
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001852T

CERS:

Name:	CHEVRON #9-6698
Address:	18002 CULVER
City,State,Zip:	IRVINE, CA 92612
Site ID:	213408
CERS ID:	T0605901386
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #9-6698 (Continued)

S101631388

Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517823238

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

**F30
WNW
1/2-1
0.924 mi.
4881 ft.**

**AUDIO MAGNETICS CORP
2602 MICHELSON DR
IRVINE, CA 92612**

Site 1 of 2 in cluster F

**RCRA-SQG
HIST Cal-Sites
FINDS
ECHO
CERS**

**1000258834
CAD008238115**

**Relative:
Higher
Actual:
37 ft.**

RCRA-SQG:
Date form received by agency: 1996-09-01 00:00:00.0
Facility name: AUDIO MAGNETICS CORP
Facility address: 2602 MICHELSON DR
IRVINE, CA 92612
EPA ID: CAD008238115
Mailing address: 2602 MICHELSON DRIVE
IRVINE, CA 92664
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Owner/Op end date: Not reported

Owner/operator name: AUDIO MAGNETICS CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1980-12-03 00:00:00.0
Site name: AUDIO MAGNETICS CORP
Classification: Large Quantity Generator

Violation Status: No violations found

Calsite:

Name: AUDIO MAGNETICS
Address: 2602 MICHELSON DR
City: IRVINE
Region: CYPRESS
Facility ID: 30350014
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 01011984
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name: CERTIFIED
Lead Agency: N/A
NPL: Not reported
SIC Code: 35
SIC Name: MANU - INDUSTRIAL MACHINERY & EQUIPMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
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:	70
State Senate District Code:	35
Facility ID:	30350014
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01011984
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
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:	2602 MICHELSON DRIVE
Alternate City,St,Zip:	IRVINE, CA 92664
Alternate Address:	2602 MICHELSON DR
Alternate City,St,Zip:	IRVINE, CA 92612
Background Info:	Not reported
Comments Date:	01011976
Comments:	VIOLATION DETECTED NON-COMPLI ORDER-EXPLOSIVES TO SEWER
Comments Date:	02011975
Comments:	VIOLATION DETECTED ORDERED TO DISCONNECT CLARIFIER FROM
Comments Date:	02011975
Comments:	SEWER.
Comments Date:	02011976
Comments:	EMERGENCY ACTION 15 GAL TOLUENE SPILL TO CLARIFIER
Comments Date:	04131981
Comments:	SANITARY DISTRICT
Comments Date:	08191991
Comments:	Records Search: Site certified in 1984. (Month and Day
Comments Date:	08191991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Comments: information not available. Date (January 1) chosen because
Comments Date: 08191991
Comments: it provides the earliest statute of limitations date.)
Comments Date: 11031982
Comments: RECOMMEND NFA BASED ON DRIVE-BY.
ID Name: Not reported
ID Value: Not reported
Alternate Name: AUDIO MAGNETICS
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

FINDS:

Registry ID: 110008260577

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.

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: 1000258834
Registry ID: 110008260577
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008260577>

CERS:

Name: AUDIO MAGNETICS
Address: 2602 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 334813
CERS ID: 30350014
CERS Description: State Response

Affiliation:

Affiliation Type Desc: Supervisor
Entity Name: PATRICK HSIEH
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: 2600 MICHELSON DRIVE LLC
Address: 2602 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Site ID: 423818
CERS ID: 10572094
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 423818
Site Name: 2600 MICHELSON DRIVE LLC
Violation Date: 05-02-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 423818
Site Name: 2600 MICHELSON DRIVE LLC
Violation Date: 06-10-2016
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 06/12/2017. Minor Violation: HMBP information not amended to reflect what is currently on site. Observation: The site map is incorrect; no LPG was observed on site. The emergency contacts and business mailing address were out of date. Corrective Action: Within 30 days, update HMBP information to reflect the location of any reportable quantities of hazardous materials currently on site, the current business mailing address, and contacts.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 423818
Site Name: 2600 MICHELSON DRIVE LLC
Violation Date: 11-20-2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Not reported

Violation Division: Orange County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Site ID: 423818

Site Name: 2600 MICHELSON DRIVE LLC

Violation Date: 05-02-2019

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a site map with all required content.

Violation Notes: OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.

Violation Division: Orange County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Site ID: 423818

Site Name: 2600 MICHELSON DRIVE LLC

Violation Date: 11-20-2018

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Not reported

Violation Division: Orange County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Site ID: 423818

Site Name: 2600 MICHELSON DRIVE LLC

Violation Date: 11-20-2018

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: Not reported

Violation Division: Orange County Environmental Health

Violation Program: HMRRP

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 05-02-2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Met with Mr. Luis Nunez, Chief Engineer, and observed the mailing address and ownership on file was incorrect. The mailing address should be 2600 Michelson Drive, Suite 840, Irvine, Ca. 92612. The owner is now SPUS8 2600 Michelson, LP, 515 South Flower Street, 31st Floor, Los Angeles, CA 90071. Walked through the facility and observed: - 3, 50 gallon day tanks with Diesel - 2, 250 gallon generator diesel aboveground storage tanks (ASTs) This is consistent with what was submitted in CERS on 6/26/17. Discussed with the business that the CERS submittal must be completed for 2019 within 30 days. See comments in CERS. The site did commence with the 2019 CERS submittal, however, the submittal requires updates to the Business Owner/Operator page for the new contact, submittal of the hazardous materials inventory/site map, and updates to the submittal for the Emergency Response Plan. Employees are trained.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: review all necessary information
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials and business emergency plan (BEP) inspection. Consent to enter and inspect the facility was granted by Anthony Ramirez, Engineer. Observed the facility's hazardous materials storage areas. Hazardous materials must be reported if the business handles an amount equal to or greater than 55 gallons of liquid, 500 pounds of solid, or 200 cubic feet of compressed gas (1,000 cubic feet threshold for gases for which the only health/physical hazards are simple asphyxiation and the release of pressure). During today's inspection, the following hazardous materials were observed at this facility: ? 2 x 250-gallon aboveground storage tanks of diesel The most recent Business Emergency Plan was not available for review at the time of inspection. The hazardous materials business plan and inventory must be completed and submitted electronically within 30 days.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: E-submit password reset and guidance for Curt Stromstedt
Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUDIO MAGNETICS CORP (Continued)

1000258834

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-20-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Based on a review of the California Environmental Reporting System (CERS), the facility has not completed and electronically certified for 2018. Pursuant to the California Health & Safety Code (H&SC) Chapter 6.95, Section 25508 and the California Code of Regulations (CCR) Title 19, Sections 2654 and 2655, businesses are required to electronically submit, review and update, or certify their hazardous materials inventory annually by March 1st. The following items are required to be reviewed, updated if there has been a change at the facility, and completed in CERS: - Business Activities - Business Owner/Operator - Chemical Inventory - Facility Site Map - Emergency Response & Training Plans As a result, violations have been cited against the facility for the failure to annually review and electronically submit the business plan on or before the annual due date and certify that it is complete, accurate, and in compliance (HSC 6.95 25508(a)(1), 25508.2) [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-24-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 423818
Facility Name: 2600 MICHELSON DRIVE LLC
Env Int Type Code: HMBP
Program ID: 10572094
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.674330
Longitude: -117.850220

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Kristen Espinoza
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

AUDIO MAGNETICS CORP (Continued)

1000258834

Affiliation Type Desc: Parent Corporation
Entity Name: 2600 MICHELSON DRIVE LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Luis Nunez
Entity Title: Not reported
Affiliation Address: 2600 Michelson Drive #840
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2600 Michelson Drive #840
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: CBRE
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: (949) 221-0030

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6000

Affiliation Type Desc: Identification Signer
Entity Name: Kristen Espinoza
Entity Title: Real Estate Manager
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

AUDIO MAGNETICS CORP (Continued)

1000258834

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: SPUS8 2600 Michelson, LP
Entity Title: Not reported
Affiliation Address: 515 South Flower Street, 31st Floor
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90071
Affiliation Phone: (949) 221-0030

F31
WNW
1/2-1
0.924 mi.
4881 ft.

TRAMMEL CROW
2602 MICHELSON
IRVINE, CA 92714

Site 2 of 2 in cluster F

RESPONSE
ENVIROSTOR
LUST
CERS

S102439198
N/A

Relative:
Higher

Actual:
37 ft.

RESPONSE:
Name: AUDIO MAGNETICS
Address: 2602 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Facility ID: 30350014
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.55
National Priorities List: NO
Cleanup Oversight Agencies: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Site Code: Not reported
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 74
Senate: 37
Special Program Status: Not reported
Status: Certified
Status Date: 01/01/1984
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.67378
Longitude: -117.8502
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC
Potential COC : Acetone Methyl ethyl ketone (2-Butanone Toluene
Confirmed COC: 30550-NO 30032-NO 30386-NO
Potential Description: OTH, SOIL
Alias Name: 110008260577
Alias Type: EPA (FRS #)
Alias Name: 30350014
Alias Type: Envirostor ID Number

Completed Info:
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

TRAMMEL CROW (Continued)

S102439198

Completed Document Type: Remedial Action Plan
Completed Date: 01/30/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/13/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 02/24/1984
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: AUDIO MAGNETICS
Address: 2602 MICHELSON DR
City,State,Zip: IRVINE, CA 92612
Facility ID: 30350014
Status: Certified
Status Date: 01/01/1984
Site Code: Not reported
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.55
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.67378
Longitude: -117.8502
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: Acetone Methyl ethyl ketone (2-Butanone Toluene
Confirmed COC: 30550-NO 30032-NO 30386-NO
Potential Description: OTH, SOIL
Alias Name: 110008260577

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRAMMEL CROW (Continued)

S102439198

Alias Type: EPA (FRS #)
Alias Name: 30350014
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/30/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/13/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 02/24/1984
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

ORANGE CO. LUST:

Name: TRAMMEL CROW
Address: 2602 MICHELSON DR
City,State,Zip: IRVINE, CA 92714
Region: ORANGE
Facility Id: 84UT037
Released Substance: Toluene; Acetone, etc.; Methyl ethyl ketones
Date Closed: 05/29/1985
Record ID: RO0001592

LUST REG 8:

Name: TRAMMEL CROW
Address: 2602 MICHELSON
City: IRVINE
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: Not reported
Local Case Num: 84UT037
Case Type: Undefined
Substance: 108883,67641
Qty Leaked: 0
Abate Method: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRAMMEL CROW (Continued)

S102439198

Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605930433
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	5/29/1985
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	Not reported
Staff Initials:	JK
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

LUST:

Name:	TRAMMEL CROW
Address:	2602 MICHELSON
City,State,Zip:	IRVINE, CA 92714
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605930433
Global Id:	T0605930433
Latitude:	33.674321
Longitude:	-117.850094

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRAMMEL CROW (Continued)

S102439198

Status: Completed - Case Closed
Status Date: 05/29/1985
Case Worker: JW
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 84UT037
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Toluene, Acetone, Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:

Global Id: T0605930433
Contact Type: Local Agency Caseworker
Contact Name: JULIE WOZENCRAFT
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
City: SANTA ANA
Email: jwozencraft@ochca.com
Phone Number: 7144336252

Global Id: T0605930433
Contact Type: Regional Board Caseworker
Contact Name: NONE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: Not reported
City: RIVERSIDE
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0605930433
Action Type: ENFORCEMENT
Date: 06/06/1985
Action: Closure/No Further Action Letter

Global Id: T0605930433
Action Type: ENFORCEMENT
Date: 02/24/1984
Action: Staff Letter

LUST:

Global Id: T0605930433
Status: Completed - Case Closed
Status Date: 05/29/1985

Global Id: T0605930433
Status: Open - Case Begin Date
Status Date: 05/29/1985

CERS:

Name: TRAMMEL CROW
Address: 2602 MICHELSON
City,State,Zip: IRVINE, CA 92714
Site ID: 187810

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRAMMEL CROW (Continued)

S102439198

CERS ID: T0605930433
CERS Description: Leaking Underground Storage Tank Cleanup Site
Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JULIE WOZENCRAFT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 EAST DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336252

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NONE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

G32
West
1/2-1
0.970 mi.
5120 ft.
MALLINCKRODT MEDICAL
18691 JAMBOREE RD
IRVINE, CA 92612
Site 1 of 3 in cluster G

FINDS 1000344160
ECHO N/A
HWP

Relative:
Higher
Actual:
43 ft.

FINDS:
Registry ID: 110000913432
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: 1000344160
Registry ID: 110000913432
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000913432>

HWP:
Name: XEROX CORPORATION IRVINE CRC
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA 927150000
EPA Id: CAD058231598

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1000344160

Cleanup Status: CLOSED
Latitude: 33.67026
Longitude: -117.8516
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 400423
Assembly District: 74
Senate District: 37
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD058231598
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/22/1987

EPA Id: CAD058231598
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 06/26/1985

EPA Id: CAD058231598
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

Closure:

EPA Id: CAD058231598
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 07/19/1988

EPA Id: CAD058231598
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 08/26/2008

Alias:

EPA Id: CAD058231598
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400423

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G33
West
1/2-1
0.970 mi.
5120 ft.
Site 2 of 3 in cluster G

Relative:
Higher

Actual:
43 ft.

SEMS Archive:
Site ID: 0900218
EPA ID: CAD058231598
Cong District: 40
FIPS Code: 06059
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 09
Site ID: 0900218
EPA ID: CAD058231598
Site Name: XEROX CORP IRVINES CRC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0900218
EPA ID: CAD058231598
Site Name: XEROX CORP IRVINES CRC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-08-09 04:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900218
EPA ID: CAD058231598
Site Name: XEROX CORP IRVINES CRC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-01-01 05:00:00
Finish Date: 1991-01-01 05:00:00

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
US INST CONTROL
RCRA NonGen / NLR
US FIN ASSUR
2020 COR ACTION

1015732752
CAD058231598

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD058231598
EPA Region: 09
Area Name: TELLER
Actual Date: 2018-09-07 00:00:00.0
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-15 00:00:00.0
Action: CA550RC
NAICS Code(s): Not reported
Original schedule date: 2017-06-27 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: TELLER
Actual Date: 2014-07-08 00:00:00.0
Action: CA772PR
NAICS Code(s): Not reported
Original schedule date: 2014-09-04 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: JAMBOREE
Actual Date: 2014-05-29 00:00:00.0
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: JAMBOREE
Actual Date: 2013-08-02 00:00:00.0
Action: CA300 - CMS Workplan Approved
NAICS Code(s): Not reported
Original schedule date: 2012-10-31 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-26 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Original schedule date: 2013-08-19 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-26 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

NAICS Code(s): Not reported
Original schedule date: 2013-07-30 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: TELLER
Actual Date: 2012-12-03 00:00:00.0
Action: CA500 - CMI Workplan Approved
NAICS Code(s): Not reported
Original schedule date: 2012-08-01 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: JAMBOREE
Actual Date: 2010-12-14 00:00:00.0
Action: CA270 - CMS Workplan Modification Requested By Agency
NAICS Code(s): Not reported
Original schedule date: 2011-01-13 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: JAMBOREE
Actual Date: 2010-12-14 00:00:00.0
Action: CA260 - CMS Workplan Received
NAICS Code(s): Not reported
Original schedule date: 2011-01-01 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: TELLER
Actual Date: 2007-06-14 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD058231598
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1997-12-04 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: 1997-12-04 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Schedule end date: Not reported

EPA ID: CAD058231598

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 1997-12-04 00:00:00.0

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): Not reported

Original schedule date: 1997-12-04 00:00:00.0

Schedule end date: Not reported

EPA ID: CAD058231598

EPA Region: 09

Area Name: JAMBOREE

Actual Date: 1994-01-01 00:00:00.0

Action: CA200 - RFI Approved

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD058231598

EPA Region: 09

Area Name: TELLER

Actual Date: 1994-01-01 00:00:00.0

Action: CA200 - RFI Approved

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD058231598

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 1991-01-01 00:00:00.0

Action: CA600SR - Stabilization Measures Implemented, Primary measure is
source removal and/or treatment

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

EPA ID: CAD058231598

EPA Region: 09

Area Name: ENTIRE FACILITY

Actual Date: 1988-08-01 00:00:00.0

Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction
and treatment

NAICS Code(s): Not reported

Original schedule date: Not reported

Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 1996-09-01 00:00:00.0

Facility name: MALLINCKRODT MEDICAL

Facility address: 18691 JAMBOREE RD

IRVINE, CA 92612

EPA ID: CAD058231598

Contact: JANA HONEYMAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 714-504-8131
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MALLINCKRODT MEDICAL INC
Owner/operator address: 675 MCDONNELL BLVD
HAZELWOOD, MO 63042

Owner/operator country: Not reported
Owner/operator telephone: 314-895-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: XEROX CORPORATION
Owner/operator address: XEROX SQUARE
CITY NOT REPORTED, NY 99999

Owner/operator country: Not reported
Owner/operator telephone: 716-422-1000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Historical Generators:

Date form received by agency: 1995-03-08 00:00:00.0

Site name: MALLINCKRODT MEDICAL

Classification: Not a generator, verified

Date form received by agency: 1994-05-02 00:00:00.0

Site name: XEROX CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 1990-03-27 00:00:00.0

Site name: XEROX CORPORATION IRVINE CRC

Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 1988-08-01 00:00:00.0

Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 1991-01-01 00:00:00.0

Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 1991-07-19 00:00:00.0

Event: LEAD AGENCY DETERMINATION

Event date: 1991-07-19 00:00:00.0

Event: PA OR CERCLA INSPECTION

Event date: 1991-07-19 00:00:00.0

Event: RFA COMPLETED

Event date: 1991-07-19 00:00:00.0

Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1991-07-19 00:00:00.0

Event: NCAPS RANKING/PRIORITY

Event date: 1993-09-01 00:00:00.0

Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 1994-01-01 00:00:00.0

Event: INVESTIGATION COMPLETE

Event date: 1994-01-01 00:00:00.0

Event: INVESTIGATION IMPOSITION

Event date: 1997-12-04 00:00:00.0

Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 1997-12-04 00:00:00.0

Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 1997-12-04 00:00:00.0

Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Event date:	1997-12-04 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	1997-12-04 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2007-06-14 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	2008-06-26 00:00:00.0
Event:	INVESTIGATION IMPOSITION
Event date:	2010-12-14 00:00:00.0
Event:	CMS WORKPLAN MODIFICATION REQ BY AGENCY
Event date:	2010-12-14 00:00:00.0
Event:	CMS WORKPLAN RECEIVED
Event date:	2012-12-03 00:00:00.0
Event:	CMI WORKPLAN APPROVED
Event date:	2013-06-26 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2013-06-26 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2013-08-02 00:00:00.0
Event:	CMS WORKPLAN APPROVED
Event date:	2014-05-29 00:00:00.0
Event:	DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY
Event date:	2014-07-08 00:00:00.0
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Event date:	2017-06-15 00:00:00.0
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Event date:	2018-09-07 00:00:00.0
Event:	DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	2003-11-17 00:00:00.0
Date achieved compliance:	2004-03-10 00:00:00.0
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	2003-11-17 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1994-11-07 00:00:00.0
Date achieved compliance: 1994-11-07 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1989-03-16 00:00:00.0
Date achieved compliance: 1989-05-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1989-03-16 00:00:00.0
Date achieved compliance: 1989-05-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 1989-03-16 00:00:00.0
Date achieved compliance: 1989-05-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Evaluation Action Summary:

Evaluation date: 2004-04-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-11-17 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 2004-03-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-09-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1994-11-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-03-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-05-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1989-05-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 1989-05-11 00:00:00.0
Evaluation lead agency: State

US INST CONTROL:

Name: MALLINCKRODT MEDICAL
Address: 18691 JAMBOREE RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92612
EPA ID: CAD058231598
Site ID: Not reported
Action Name: Not reported
Action ID: Not reported
Operable Unit: Not reported
Action Completion Date: 01/01/1900
Actual Date: 07/08/2014
Contaminated Media: Not reported
Institutional Control: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Event Code: CA772PR
Contact Name: JANA HONEYMAN
Contact Telephone: 714-504-8131
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

RCRA NonGen / NLR:

Date form received by agency: 1996-09-01 00:00:00.0
Facility name: MALLINCKRODT MEDICAL
Facility address: 18691 JAMBOREE RD
IRVINE, CA 92612
EPA ID: CAD058231598
Contact: JANA HONEYMAN
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 714-504-8131
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MALLINCKRODT MEDICAL INC
Owner/operator address: 675 MCDONNELL BLVD
HAZELWOOD, MO 63042
Owner/operator country: Not reported
Owner/operator telephone: 314-895-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: XEROX CORPORATION
Owner/operator address: XEROX SQUARE
CITY NOT REPORTED, NY 99999
Owner/operator country: Not reported
Owner/operator telephone: 716-422-1000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1995-03-08 00:00:00.0
Site name: MALLINCKRODT MEDICAL
Classification: Not a generator, verified

Date form received by agency: 1994-05-02 00:00:00.0
Site name: XEROX CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 1990-03-27 00:00:00.0
Site name: XEROX CORPORATION IRVINE CRC
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 1988-08-01 00:00:00.0
Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 1991-01-01 00:00:00.0
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 1991-07-19 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-07-19 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-07-19 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-07-19 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1991-07-19 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1993-09-01 00:00:00.0
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 1994-01-01 00:00:00.0
Event: INVESTIGATION COMPLETE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Event date:	1994-01-01 00:00:00.0
Event:	INVESTIGATION IMPOSITION
Event date:	1997-12-04 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	1997-12-04 00:00:00.0
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	1997-12-04 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	1997-12-04 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	1997-12-04 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2007-06-14 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	2008-06-26 00:00:00.0
Event:	INVESTIGATION IMPOSITION
Event date:	2010-12-14 00:00:00.0
Event:	CMS WORKPLAN MODIFICATION REQ BY AGENCY
Event date:	2010-12-14 00:00:00.0
Event:	CMS WORKPLAN RECEIVED
Event date:	2012-12-03 00:00:00.0
Event:	CMI WORKPLAN APPROVED
Event date:	2013-06-26 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2013-06-26 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2013-08-02 00:00:00.0
Event:	CMS WORKPLAN APPROVED
Event date:	2014-05-29 00:00:00.0
Event:	DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY
Event date:	2014-07-08 00:00:00.0
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Event date:	2017-06-15 00:00:00.0
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Event date:	2018-09-07 00:00:00.0
Event:	DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2003-11-17 00:00:00.0
Date achieved compliance: 2004-03-10 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1994-11-07 00:00:00.0
Date achieved compliance: 1994-11-07 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1989-03-16 00:00:00.0
Date achieved compliance: 1989-05-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1989-03-16 00:00:00.0
Date achieved compliance: 1989-05-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 1989-03-16 00:00:00.0
Date achieved compliance: 1989-05-11 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-04-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2004-04-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-11-17 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 2004-03-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-09-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1994-11-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-03-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-05-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1989-05-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-03-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 1989-05-11 00:00:00.0
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALLINCKRODT MEDICAL (Continued)

1015732752

US FIN ASSUR:

EPA ID: CAD058231598
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2000000
Face value: 801480
Effective date: 2006-03-22 00:00:00
Provider: MALLINCKRODT MEDICAL
EPA region: 9

EPA ID: CAD058231598
County: Not reported
Mechanism type: P
Mechanism Type Description: TRUST FUND (PAY-IN-TRUST)
Cost estimate: 778017
Face value: 801480
Effective date: 2002-04-30 00:00:00
Provider: STATE STREET BANK
EPA region: 9

2020 COR ACTION:

EPA ID: CAD058231598
Region: 9
Action: Remedy Construction

G34
West
1/2-1
0.970 mi.
5120 ft.
Relative:
Higher
Actual:
43 ft.

GW CLEANUP-IRVINE, JAMBORE
18691 JAMBOREE
IRVINE, CA 92715
Site 3 of 3 in cluster G

ENVIROSTOR
CPS-SLIC
DEED
Cortese
EMI
ENF
ICE
HIST CORTESE
NPDES
CIWQS
CERS

S103965748
N/A

ENVIROSTOR:

Name: XEROX CORPORATION IRVINE CRC
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA 927150000
Facility ID: 80001430
Status: Active
Status Date: 01/01/2008
Site Code: 400423
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 13
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Steven Rounds
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 74
Senate: 37

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.67026
Longitude: -117.8516
APN: 445-102-02
Past Use: ABOVE GROUND STORAGE TANKS, DEGREASING FACILITY, MAINTENANCE /
CLEANING
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV
Alias Name: 445-102-02
Alias Type: APN
Alias Name: CAD058231598
Alias Type: EPA Identification Number
Alias Name: 400423
Alias Type: Project Code (Site Code)
Alias Name: 80001430
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 12/04/1997
Comments: Not reported

Completed Area Name: Jamboree
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 07/26/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 12/04/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/15/2017
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: Land Use Restriction
Completed Date: 07/08/2014
Comments: LUC signed and sent to facility for filling

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/26/2013
Comments: EI is met.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/26/2013
Comments: EI is met.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: JAMBOREE
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/15/2014
Comments: Completed.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 10/16/2017
Comments: Completed 10-16-2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: JAMBOREE
Completed Document Type: Correspondence
Completed Date: 01/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/28/2015
Comments: Signed

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 04/14/2009
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/01/1991
Comments: Not reported

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 12/04/1997
Comments: Not reported

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Completed Date: 06/26/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/19/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/19/1991
Comments: Not reported

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/01/1993
Comments: Not reported

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/19/1991
Comments: Not reported

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/01/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 08/01/1988
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: JAMBOREE
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 08/02/2013
Comments: Letter sent to facility.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 12/03/2012
Comments: Letter sent to facility.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: RFI Report
Completed Date: 06/14/2007
Comments: RFI completed. Facility to submit CMS.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: JAMBOREE
Completed Document Type: Public Notice
Completed Date: 05/29/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: JAMBOREE
Completed Document Type: Fact Sheets
Completed Date: 06/05/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: Operations and Maintenance Plan
Completed Date: 03/11/2015
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: 04/30/2015
Comments: Completed

Completed Area Name: Jamboree
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 09/12/2016
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: JAMBOREE
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/30/2016
Comments: CMCR complete.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: TELLER
Completed Document Type: Public Notice
Completed Date: 09/07/2018
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

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Future Due Date: Not reported
Schedule Area Name: Jamboree
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 09/30/2019
Schedule Revised Date: Not reported

CPS-SLIC:

Name: XEROX - IRVINE
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA
Region: STATE
Facility Status: Open - Remediation
Status Date: 02/09/2010
Global Id: SL208033858
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.6709434695313
Longitude: -117.850577831268
Case Type: Cleanup Program Site
Case Worker: RS
Local Agency: Not reported
RB Case Number: SL208033858
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History: Long term monitoring required.

[Click here to access the California GeoTracker records for this facility:](#)

DEED:

Name: XEROX CORPORATION IRVINE CRC
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA 927150000
Envirostor ID: 80001430
Area: Not reported
Sub Area: TELLER
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CORTESE:

Name: GW CLEANUP-IRVINE,JAMBOREE
Address: 18691 JAMBOREE BOULEVARD
City,State,Zip: IRVINE, CA 92715
Region: CORTESE
Envirostor Id: Not reported
Global ID: Not reported
Site/Facility Type: Not reported
Cleanup Status: Not reported
Status Date: Not reported
Site Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: CORTESE
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: 08/14/1987
Region 2: 8
WID Id: 8 302521001
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Cease Desist Orders & Cleanup Abatement Orders

EMI:

Name: XEROX CORP
Address: 18691 JAMBOREE BL
City,State,Zip: IRVINE, CA 927150000
Year: 1995
County Code: 30
Air Basin: SC
Facility ID: 21951
Air District Name: SC
SIC Code: 5044
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

ENF:

Name: GW CLEANUP-IRVINE,JAMBOREE
Address: 18691 JAMBOREE BOULEVARD
City,State,Zip: IRVINE, CA 92715
Region: 8
Facility Id: 228361
Agency Name: Xerox Corporation
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: 4959
SIC Desc 1: Sanitary Services, NEC
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

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

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:	0.144
Threat To Water Quality:	3
Complexity:	A
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:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	8 302521001
Reg Measure Id:	205913
Reg Measure Type:	Enrollee
Region:	8
Order #:	96-018
Npdes# CA#:	CAG918001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	10/14/1988
Effective Date:	08/14/1987
Expiration/Review Date:	Not reported
Termination Date:	12/19/1996
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:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	223919
Region:	8
Order / Resolution Number:	87-047
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/13/1987
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
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

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Status: Active
Title: CAO 87-047 for Xerox Corp
Description: GW CLEANUP
Program: NPDNONMUNIPRCS
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

ICE:

Envirostor ID: 3000969
Name: XEROX CORPORATION IRVINE CRC
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA 92715
EPA ID: CAD058231598
Site Type: INSPECTION
Facility Status: No Action

Inspection:

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 04/20/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/17/2003
Violation Class: Class 2
RTC Date: 03/10/2004

HIST CORTESE:

edr_fname: GW CLEANUP-IRVINE, JAMBORE
edr_fadd1: 18691 JAMBOREE
City,State,Zip: IRVINE, CA 92715
Region: CORTESE
Facility County Code: 30
Reg By: WBC&D
Reg Id: 8 302521001

NPDES:

Name: THE BOARDWALK
Address: 18691 JAMBOREE ROAD
City,State,Zip: IRVINE, CA 92612
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 8 30C375038

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

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: 12/28/2017
Operator Name: Trammell Crow Company
Operator Address: 3501 Jamboree Rd Suite 230
Operator City: Newport Beach
Operator State: California
Operator Zip: 92660

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 8
Regulatory Measure ID: 467427
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 8 30C375038
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: 12/09/2015
Processed Date: 01/07/2016
Status: Active
Status Date: 01/07/2016
Place Size: 7.5
Place Size Unit: Acres
Contact: Matt Cramer
Contact Title: Not reported
Contact Phone: 949-477-4735
Contact Phone Ext: Not reported
Contact Email: mcramer@trammellcrow.com
Operator Name: Trammell Crow Company
Operator Address: 3501 Jamboree Rd Suite 230
Operator City: Newport Beach
Operator State: California
Operator Zip: 92660
Operator Contact: Matt Cramer
Operator Contact Title: Not reported
Operator Contact Phone: 949-477-4735

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mcramer@trammellcrow.com
Operator Type:	Private Business
Developer:	Boardwalk Office Associates
Developer Address:	18691 Jamboree Road
Developer City:	Irvine
Developer State:	California
Developer Zip:	92612
Developer Contact:	Matt Cramer
Developer Contact Title:	Not reported
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:	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:	San Diego Creek Reach, Newport Bay
Certifier:	Matt Cramer
Certifier Title:	Senior Vice President
Certification Date:	09-DEC-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	467427
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30C375038
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/07/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/06/2017
Discharge Name:	Trammell Crow Company
Discharge Address:	3501 Jamboree Rd Suite 230
Discharge City:	Newport Beach
Discharge State:	California
Discharge Zip:	92660

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

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
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Name: THE BOARDWALK
Address: 18691 JAMBOREE ROAD
City,State,Zip: IRVINE, CA 92612
Facility Status: Terminated
NPDES Number: CAS000002
Region: 8
Agency Number: 0
Regulatory Measure ID: 467427
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 8 30C375038
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 01/07/2016
Termination Date Of Regulatory Measure: 12/06/2017
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 3501 Jamboree Rd Suite 230
Discharge Name: Trammell Crow Company
Discharge City: Newport Beach
Discharge State: California
Discharge Zip: 92660
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: 8
Regulatory Measure ID: 467427
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 8 30C375038
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: 12/09/2015
Processed Date: 01/07/2016
Status: Active
Status Date: 01/07/2016
Place Size: 7.5
Place Size Unit: Acres
Contact: Matt Cramer
Contact Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Contact Phone:	949-477-4735
Contact Phone Ext:	Not reported
Contact Email:	mcramer@trammellcrow.com
Operator Name:	Trammell Crow Company
Operator Address:	3501 Jamboree Rd Suite 230
Operator City:	Newport Beach
Operator State:	California
Operator Zip:	92660
Operator Contact:	Matt Cramer
Operator Contact Title:	Not reported
Operator Contact Phone:	949-477-4735
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mcramer@trammellcrow.com
Operator Type:	Private Business
Developer:	Boardwalk Office Associates
Developer Address:	18691 Jamboree Road
Developer City:	Irvine
Developer State:	California
Developer Zip:	92612
Developer Contact:	Matt Cramer
Developer Contact Title:	Not reported
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:	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:	San Diego Creek Reach, Newport Bay
Certifier:	Matt Cramer
Certifier Title:	Senior Vice President
Certification Date:	09-DEC-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	467427
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

WDID:	8 30C375038
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/07/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/06/2017
Discharge Name:	Trammell Crow Company
Discharge Address:	3501 Jamboree Rd Suite 230
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
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

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:	FORMER JAMBOREE FACILITY
Address:	18691 JAMBOREE ROAD
City,State,Zip:	IRVINE, CA 92612
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 30C370555
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:	01/07/2016
Operator Name:	Xerox Corporation
Operator Address:	800 Phillips Road
Operator City:	Webster
Operator State:	New York
Operator Zip:	14580

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	448437
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	8 30C370555
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:	12/07/2015
Discharge Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2014
Processed Date:	08/12/2014
Status:	Terminated
Status Date:	01/07/2016
Place Size:	6.88
Place Size Unit:	Acres
Contact:	Scott Goulart
Contact Title:	Project Manager
Contact Phone:	916-355-5454
Contact Phone Ext:	Not reported
Contact Email:	scott.goulart@Rocket.com
Operator Name:	Xerox Corporation
Operator Address:	800 Phillips Road
Operator City:	Webster
Operator State:	New York
Operator Zip:	14580
Operator Contact:	Joseph Stulb
Operator Contact Title:	Manager
Operator Contact Phone:	585-422-9736
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	joseph.stulb@xerox.com
Operator Type:	Private Business
Developer:	Innovation Construction Solutions
Developer Address:	4011 West Chandler Avenue
Developer City:	Santa Ana
Developer State:	California
Developer Zip:	92704
Developer Contact:	John Farmer
Developer Contact Title:	Senior Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	916-812-5529
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:	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:	San Diego Creek
Certifier:	Joseph Stulb
Certifier Title:	Manager
Certification Date:	06-AUG-14

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	448437
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30C370555
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/12/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/07/2015
Discharge Name:	Xerox Corporation
Discharge Address:	800 Phillips Road
Discharge City:	Webster
Discharge State:	New York
Discharge Zip:	14580
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

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:	THE BOARDWALK
Address:	18691 JAMBOREE ROAD
City,State,Zip:	IRVINE, CA 92612
Agency:	Trammell Crow Company
Agency Address:	3501 Jamboree Rd Suite 230, Newport Beach, CA 92660
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 30C375038
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/07/2016
Termination Date:	12/06/2017
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:	33.67026
Longitude:	-117.85161

Name:	GW CLEANUP-IRVINE,JAMBOREE
Address:	18691 JAMBOREE BOULEVARD
City,State,Zip:	IRVINE, CA 92715
Agency:	Xerox Corporation
Agency Address:	800 Phillips Road 0304-135, Webster, NY 14580

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Place/Project Type:	Manufacturing NEC
SIC/NAICS:	4959
Region:	8
Program:	NPDESWW, NPDNONMUNIPRCS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	NPDES Permit
Order Number:	88-118
WDID:	8 302521001
NPDES Number:	CAG918001
Adoption Date:	10/14/1988
Effective Date:	10/14/1988
Termination Date:	Not reported
Expiration/Review Date:	10/01/1993
Design Flow:	0.144
Major/Minor:	Minor
Complexity:	A
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported
Name:	FORMER JAMBOREE FACILITY
Address:	18691 JAMBOREE ROAD
City,State,Zip:	IRVINE, CA 92612
Agency:	Xerox Corporation
Agency Address:	800 Phillips Road, Webster, NY 14580
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 30C370555
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/12/2014
Termination Date:	12/07/2015
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:	33.67036
Longitude:	-117.85135

CERS:

Name:	XEROX CORPORATION IR
Address:	18691 JAMBOREE BLVD
City,State,Zip:	IRVINE, CA 927150000
Site ID:	344997
CERS ID:	80001430
CERS Description:	Corrective Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Affiliation:

Affiliation Type Desc: Lead Project Manager
Entity Name: STEVEN ROUNDS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CHATSWORTH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: ALLAN PLAZA
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: XEROX CORP
Address: 18691 JAMBOREE BL
City,State,Zip: IRVINE, CA 92612
Site ID: 505840
CERS ID: 110041232966
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: XEROX CORPORATION IRVINE CRC
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA 927150000
Site ID: 238446
CERS ID: CAD058231598
CERS Description: Hazardous Waste

Evaluation:

Eval General Type: Information Request
Eval Date: 04-20-2004
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 11-17-2003
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2004-03-10 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GW CLEANUP-IRVINE, JAMBORE (Continued)

S103965748

Affiliation:

Affiliation Type Desc: Facility Contact
Entity Name: MICHAEL GAREY
Entity Title: Not reported
Affiliation Address: 701 S AVIATION BLVD ESM1-028
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 902454898
Affiliation Phone: 3103332401

Affiliation Type Desc: Facility Owner
Entity Name: Xerox Corporation
Entity Title: Not reported
Affiliation Address: 800 PHILLIPS RD 0205-99F
Affiliation City: WEBSTER
Affiliation State: NY
Affiliation Country: Not reported
Affiliation Zip: 145800000
Affiliation Phone: 5854229736

Name: XEROX - IRVINE
Address: 18691 JAMBOREE BLVD
City,State,Zip: IRVINE, CA
Site ID: 260288
CERS ID: SL208033858
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9513206375

35
NNW
1/2-1
0.996 mi.
5261 ft.

KELVIN PROPERTY
2552 KELVIN AVENUE
IRVINE, CA 92614

ENVIROSTOR **S105557581**
VCP **N/A**

Relative:
Higher
Actual:
39 ft.

ENVIROSTOR:

Name: KELVIN PROPERTY
Address: 2552 KELVIN AVENUE
City,State,Zip: IRVINE, CA 92614
Facility ID: 30000002
Status: No Further Action
Status Date: 04/19/2004
Site Code: 400914
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KELVIN PROPERTY (Continued)

S105557581

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.68478
Longitude: -117.8403
APN: 435-052-35
Past Use: PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential COC: Methylene chloride
Confirmed COC: 30384-NO
Potential Description: NMA
Alias Name: KAPA DEVELOPMENT PROPERTY
Alias Type: Alternate Name
Alias Name: KELVIN PROPERTY
Alias Type: Alternate Name
Alias Name: 435-052-35
Alias Type: APN
Alias Name: 110033607247
Alias Type: EPA (FRS #)
Alias Name: 400914
Alias Type: Project Code (Site Code)
Alias Name: 30000002
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: 04/19/2004
Comments: DTSC approved the PEA. DTSC concurred with the PEA recommendation that "No Further Action is Needed" at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/16/2001
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

KELVIN PROPERTY (Continued)

S105557581

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Name: KELVIN PROPERTY
Address: 2552 KELVIN AVENUE
City,State,Zip: IRVINE, CA 92614
Facility ID: 30000002
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3
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: Cleanup Cypress
Site Code: 400914
Assembly: 74
Senate: 37
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 04/19/2004
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.68478 / -117.8403
APN: 435-052-35
Past Use: PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential COC: 30384
Confirmed COC: 30384-NO
Potential Description: NMA
Alias Name: KAPA DEVELOPMENT PROPERTY
Alias Type: Alternate Name
Alias Name: KELVIN PROPERTY
Alias Type: Alternate Name
Alias Name: 435-052-35
Alias Type: APN
Alias Name: 110033607247
Alias Type: EPA (FRS #)
Alias Name: 400914
Alias Type: Project Code (Site Code)
Alias Name: 30000002
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: 04/19/2004
Comments: DTSC approved the PEA. DTSC concurred with the PEA recommendation that "No Further Action is Needed" at the 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

KELVIN PROPERTY (Continued)

S105557581

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/16/2001
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

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
IRVINE	S107027308	CARSON - 91 LLC	MAIN STREET & 91 FREEWAY	92612	ENVIROSTOR

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: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	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: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
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: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
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: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: 800-424-9346
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/27/2020
	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: 06/24/2019	Source: EPA
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-424-9346
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	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: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	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: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	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: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	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: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	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: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	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: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
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: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
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: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
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: 08/12/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005

Date Data Arrived at EDR: 02/15/2005

Date Made Active in Reports: 03/28/2005

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496

Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011

Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003

Date Data Arrived at EDR: 09/10/2003

Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572

Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011

Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001

Date Data Arrived at EDR: 02/28/2001

Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019

Date Data Arrived at EDR: 09/09/2019

Date Made Active in Reports: 10/31/2019

Number of Days to Update: 52

Source: State Water Resources Control Board

Telephone: see region list

Last EDR Contact: 09/09/2019

Next Scheduled EDR Contact: 12/23/2019

Data Release Frequency: Quarterly

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 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

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: 04/08/2019

Date Data Arrived at EDR: 07/30/2019

Date Made Active in Reports: 10/17/2019

Number of Days to Update: 79

Source: EPA, Region 5

Telephone: 312-886-7439

Last EDR Contact: 10/25/2019

Next Scheduled EDR Contact: 02/03/2020

Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019

Date Data Arrived at EDR: 07/29/2019

Date Made Active in Reports: 10/17/2019

Number of Days to Update: 80

Source: EPA Region 4

Telephone: 404-562-8677

Last EDR Contact: 10/25/2019

Next Scheduled EDR Contact: 02/03/2020

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-6597
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	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: 07/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 10/16/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 8	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3372
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2019	Telephone: 206-553-2857
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6271
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	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: 04/11/2019	Source: EPA Region 1
Date Data Arrived at EDR: 07/29/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	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: 09/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 12/23/2019
	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: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/06/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 916-327-7844
Date Made Active in Reports: 10/31/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/09/2019	Source: SWRCB
Date Data Arrived at EDR: 09/09/2019	Telephone: 916-341-5851
Date Made Active in Reports: 10/31/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/23/2019
	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 09/12/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/30/2019
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-7591
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	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: 05/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 07/29/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	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: 04/16/2019	Source: EPA Region 10
Date Data Arrived at EDR: 07/30/2019	Telephone: 206-553-2857
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	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: 04/11/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 07/30/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	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: 04/08/2019	Source: EPA Region 9
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3368
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	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: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6137
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	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: 04/08/2019	Source: EPA Region 5
Date Data Arrived at EDR: 07/29/2019	Telephone: 312-886-6136
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	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: 04/12/2019	Source: EPA Region 4
Date Data Arrived at EDR: 07/29/2019	Telephone: 404-562-9424
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered 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: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

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: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 59

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
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: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
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: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/20/2020
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 08/20/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
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: 09/03/2019	Source: DTSC and SWRCB
Date Data Arrived at EDR: 09/04/2019	Telephone: 916-323-3400
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/06/2020
	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: 05/15/2019	Source: Office of Emergency Services
Date Data Arrived at EDR: 06/24/2019	Telephone: 916-845-8400
Date Made Active in Reports: 08/21/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 02/03/2020
	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: 09/09/2019	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/23/2019
	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

Date Data Arrived at EDR: 01/03/2013

Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch

Telephone: N/A

Last EDR Contact: 01/03/2013

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019

Date Data Arrived at EDR: 06/26/2019

Date Made Active in Reports: 10/17/2019

Number of Days to Update: 113

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 10/28/2019

Next Scheduled EDR Contact: 01/06/2020

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: 05/15/2019

Date Data Arrived at EDR: 05/21/2019

Date Made Active in Reports: 08/08/2019

Number of Days to Update: 79

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

Last EDR Contact: 08/23/2019

Next Scheduled EDR Contact: 12/02/2019

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 11/10/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747

Last EDR Contact: 10/11/2019

Next Scheduled EDR Contact: 01/20/2020

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

Date Data Arrived at EDR: 04/11/2018

Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey

Telephone: 888-275-8747

Last EDR Contact: 10/07/2019

Next Scheduled EDR Contact: 01/20/2020

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: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
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: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/17/2020
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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
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: 08/20/2019	Source: EPA
Date Data Arrived at EDR: 09/05/2019	Telephone: 202-564-6023
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/20/2020
	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: 10/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/20/2020
	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: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 11/06/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 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: 09/03/2019
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 11/06/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/17/2020
	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: 11/01/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/13/2020
	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: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
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: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
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: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
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

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 140

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
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: 08/21/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/08/2019
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/20/2020
	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: 08/19/2019	Source: EPA
Date Data Arrived at EDR: 08/20/2019	Telephone: 800-385-6164
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	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: 09/23/2019	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/24/2019	Telephone: 916-323-3400
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 09/24/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 01/06/2020
	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: 08/15/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 68

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 02/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/16/2019	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 08/20/2019	Telephone: 916-341-6066
Date Made Active in Reports: 10/18/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 05/29/2019	Telephone: 916-255-1136
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/19/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/20/2019	Telephone: 877-786-9427
Date Made Active in Reports: 10/18/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	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: 08/19/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/20/2019	Telephone: 916-323-3400
Date Made Active in Reports: 10/18/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/07/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/08/2019	Telephone: 916-440-7145
Date Made Active in Reports: 11/07/2019	Last EDR Contact: 10/08/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/20/2020
	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: 09/09/2019	Source: Department of Conservation
Date Data Arrived at EDR: 09/09/2019	Telephone: 916-322-1080
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 07/19/2019	Source: Department of Public Health
Date Data Arrived at EDR: 09/04/2019	Telephone: 916-558-1784
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/12/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/13/2019	Telephone: 916-445-9379
Date Made Active in Reports: 10/16/2019	Last EDR Contact: 08/13/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/03/2019	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 09/04/2019	Telephone: 916-445-4038
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/09/2019	Source: Department of Conservation
Date Data Arrived at EDR: 09/09/2019	Telephone: 916-323-3836
Date Made Active in Reports: 11/05/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/16/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/18/2019	Telephone: 916-445-3846
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 09/16/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/30/2019
	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: 04/27/2018	Source: Department of Conservation
Date Data Arrived at EDR: 06/13/2018	Telephone: 916-445-2408
Date Made Active in Reports: 07/17/2018	Last EDR Contact: 08/20/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/09/2019	Source: State Water Resource Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/01/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/11/2018	Telephone: 559-445-5577
Date Made Active in Reports: 09/13/2018	Last EDR Contact: 10/11/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/20/2020
	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: 08/14/2019
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/02/2019
	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: 09/19/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/09/2019	Telephone: 866-480-1028
Date Made Active in Reports: 11/01/2019	Last EDR Contact: 09/09/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
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: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

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: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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 Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 10/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 10/22/2019
Number of Days to Update: 60

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List

Cupa Facility list

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 68

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List

CUPA facility list.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
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: 07/11/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 71

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/13/2020
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: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 07/08/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/15/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
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: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 34

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 71

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/16/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/27/2020
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: 09/27/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/06/2020
	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: 10/18/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/27/2020
	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: 09/27/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/06/2020
	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: 09/27/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/06/2020
	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: 07/15/2019	Source: Community Health Services
Date Data Arrived at EDR: 07/17/2019	Telephone: 323-890-7806
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 10/29/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/27/2020
	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: 10/09/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/27/2020
	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: 10/17/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/03/2020
	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: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/17/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/03/2020
	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: 08/22/2019	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/26/2019	Telephone: 559-675-7823
Date Made Active in Reports: 10/29/2019	Last EDR Contact: 08/14/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	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: 09/25/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 05/30/2019	Telephone: 209-381-1094
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 10/18/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 58

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/25/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 58

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 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: 09/05/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 07/23/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
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: 07/10/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/09/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 61

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2019
Next Scheduled EDR Contact: 02/17/2020
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: 09/03/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 61

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 71

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
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: 07/10/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
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: 08/07/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
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: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/03/2020
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: 07/16/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
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: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 09/11/2019
Next Scheduled EDR Contact: 12/29/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 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: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.
Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/28/2019

Next Scheduled EDR Contact: 12/16/2019

Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/28/2019

Date Data Arrived at EDR: 08/30/2019

Date Made Active in Reports: 10/29/2019

Number of Days to Update: 60

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770

Last EDR Contact: 08/28/2019

Next Scheduled EDR Contact: 12/16/2019

Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 06/18/2019

Date Data Arrived at EDR: 06/25/2019

Date Made Active in Reports: 07/24/2019

Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174

Last EDR Contact: 10/31/2019

Next Scheduled EDR Contact: 01/06/2020

Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2019

Date Data Arrived at EDR: 10/02/2019

Date Made Active in Reports: 11/07/2019

Number of Days to Update: 36

Source: Department of Health Services

Telephone: 707-565-6565

Last EDR Contact: 09/19/2019

Next Scheduled EDR Contact: 01/06/2020

Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 07/18/2019

Date Data Arrived at EDR: 07/18/2019

Date Made Active in Reports: 09/26/2019

Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection

Telephone: 209-525-6751

Last EDR Contact: 10/28/2019

Next Scheduled EDR Contact: 01/27/2020

Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/29/2019

Date Data Arrived at EDR: 09/03/2019

Date Made Active in Reports: 11/06/2019

Number of Days to Update: 64

Source: Sutter County Environmental Health Services

Telephone: 530-822-7500

Last EDR Contact: 08/28/2019

Next Scheduled EDR Contact: 12/16/2019

Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 64

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
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: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
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: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
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: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 09/25/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 30

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
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: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
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: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HARVARD AVENUE AND MICHELSON DRIVE
HARVARD AVENUE AND MICHELSON DRIVE
IRVINE, CA 92612

TARGET PROPERTY COORDINATES

Latitude (North):	33.670583 - 33° 40' 14.10"
Longitude (West):	117.833359 - 117° 50' 0.09"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	422742.5
UTM Y (Meters):	3725750.0
Elevation:	34 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640942 TUSTIN, 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).

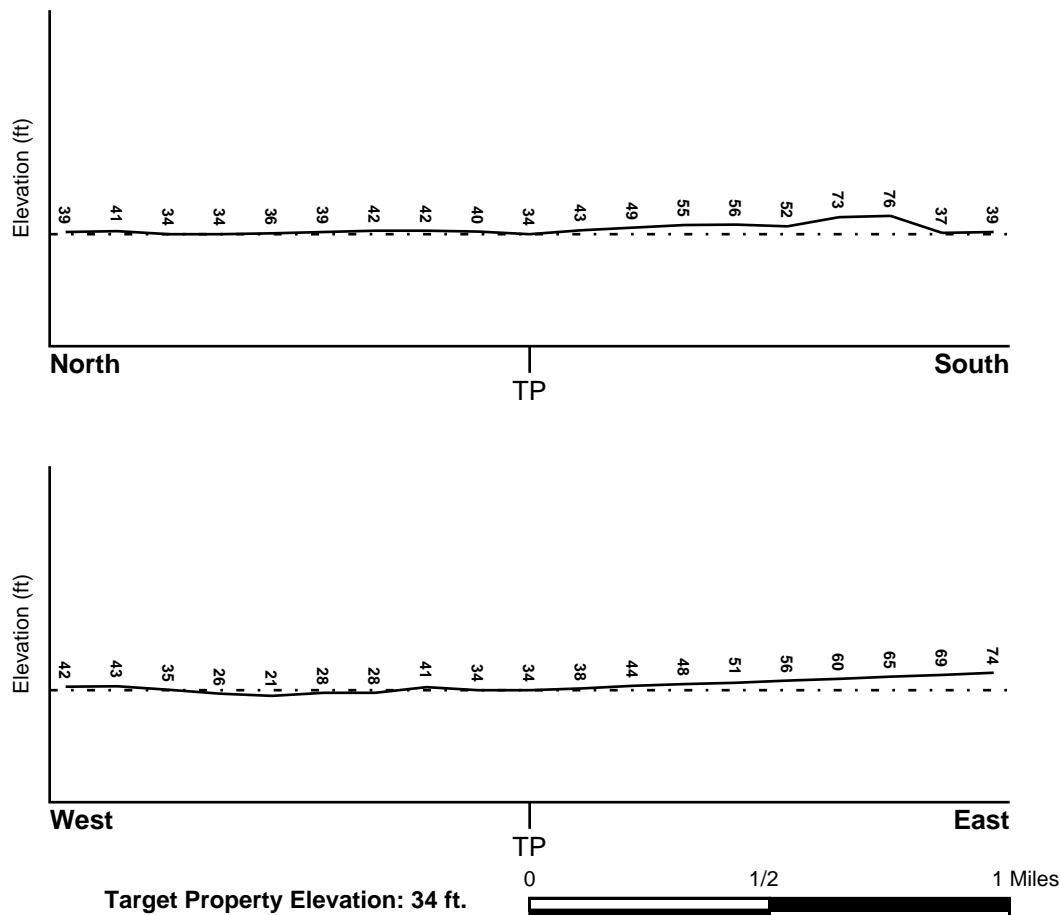
TOPOGRAPHIC INFORMATION

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 NNW

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>
06059C0287J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06059C0286J	FEMA FIRM Flood data
06059C0289J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
TUSTIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	0 - 1/8 Mile WNW	W
4	1/4 - 1/2 Mile SSE	WSW
5	1/2 - 1 Mile ESE	NW
12	1/2 - 1 Mile WNW	NNW
1G	1/2 - 1 Mile WNW	NNW
2G	0 - 1/8 Mile WNW	W
3G	1/2 - 1 Mile ESE	NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
4G	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>
	1/4 - 1/2 Mile SSE	WSW

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

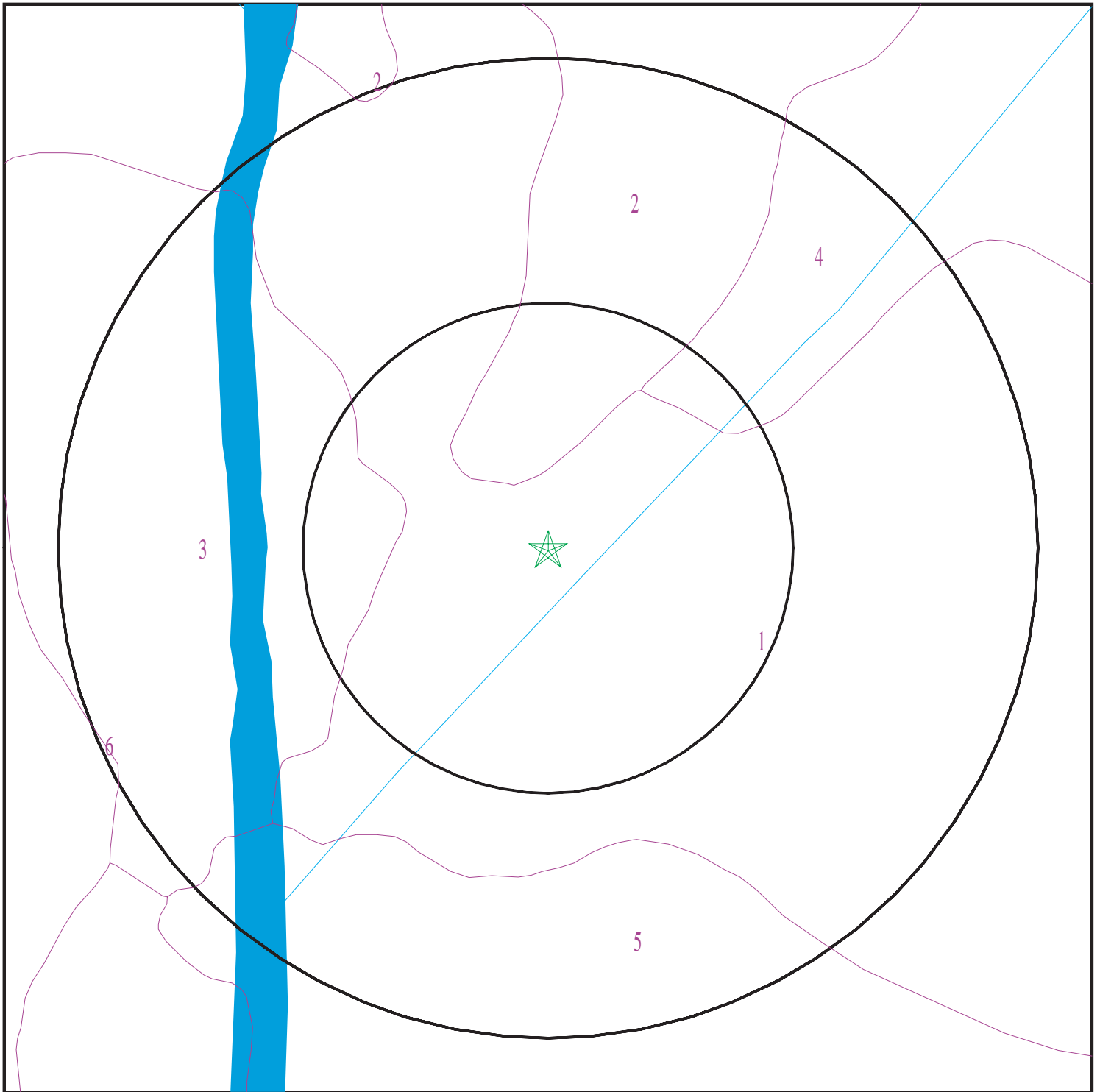
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

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).

SSURGO SOIL MAP - 5865502.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Harvard Avenue and Michelson Drive
ADDRESS: Harvard Avenue and Michelson Drive
Irvine CA 92612
LAT/LONG: 33.670583 / 117.833359

CLIENT: Stantec
CONTACT: Emily Medler
INQUIRY #: 5865502.2s
DATE: November 12, 2019 12:43 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: OMNI

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 9 Min: 7.9
2	16 inches	59 inches	silty clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 9 Min: 7.9

Soil Map ID: 2

Soil Component Name: CHINO

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	24 inches	59 inches	sandy clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: BALCOM

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	33 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:
2	33 inches	38 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: SAN EMIGDIO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	7 inches	40 inches	stratified gravelly loamy coarse sand to very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	40 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 14	Max: 8.4 Min: 7.9
4	44 inches	61 inches	stratified gravelly loamy coarse sand to very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 14	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
2	11 inches	18 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
3	18 inches	27 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	27 inches	70 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 6

Soil Component Name: THAPTO-HISTIC FLUVAQUENTS

Soil Surface Texture: mucky clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	mucky clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6.5 Min: 6.1
2	9 inches	20 inches	mucky silty clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6.5 Min: 6.1
3	20 inches	55 inches	muck	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6.5 Min: 6.1
4	55 inches	68 inches	silty clay loam	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 6.5 Min: 6.1

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>
A3	USGS40000136489	1/8 - 1/4 Mile SSE
B9	USGS40000136648	1/2 - 1 Mile NE
10	USGS40000136601	1/2 - 1 Mile ENE
11	USGS40000136471	1/2 - 1 Mile WSW
13	USGS40000136715	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
7	CA3600603	1/2 - 1 Mile East

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADWR8000004751	1/8 - 1/4 Mile South
6	CADWR8000004735	1/2 - 1 Mile SSW
B8	CADWR8000004823	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 5865502.2s



- 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: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine CA 92612
 LAT/LONG: 33.670583 / 117.833359

CLIENT: Stantec
 CONTACT: Emily Medler
 INQUIRY #: 5865502.2s
 DATE: November 12, 2019 12:43 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 WNW 0 - 1/8 Mile Higher	Site ID: 083000440T	AQUIFLOW 69476
	Groundwater Flow: W	
	Shallow Water Depth: 4.8	
	Deep Water Depth: 7.5	
	Average Water Depth: Not Reported	
	Date: 04/27/1995	

A2 South 1/8 - 1/4 Mile Higher	CA WELLS CADWR8000004751
---	---------------------------------

State Well #:	06S09W09E001S	Station ID:	5893
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Coastal Plain Of Orange County		
Well Completion Rpt #:	Not Reported		

A3 SSE 1/8 - 1/4 Mile Higher	FED USGS USGS40000136489
---	---------------------------------

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18070204
Monitor Location:	006S009W09E001S	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	California Coastal Basin aquifers	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	Not Reported
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	Not Reported		
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	61	Level reading date:	1986-08-22
Feet below surface:	50.18	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1985-11-13	Feet below surface:	50.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-15	Feet below surface:	36.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-14	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-10	Feet below surface:	35.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-06	Feet below surface:	35.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-08	Feet below surface:	41.84

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-05	Feet below surface:	40.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-13	Feet below surface:	44.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-11	Feet below surface:	34.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-29	Feet below surface:	33.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-09	Feet below surface:	38.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-29	Feet below surface:	43.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-12	Feet below surface:	32.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-04	Feet below surface:	30.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-29	Feet below surface:	39.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-26	Feet below surface:	42.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-10	Feet below surface:	38.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-11	Feet below surface:	38.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-05	Feet below surface:	42.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-01	Feet below surface:	45.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	36.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-05	Feet below surface:	35.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-25	Feet below surface:	45.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-16	Feet below surface:	43.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-27	Feet below surface:	61.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-02	Feet below surface:	53.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1976-12-29	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-22	Feet below surface:	74.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-25	Feet below surface:	64.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-30	Feet below surface:	45.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-27	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-01	Feet below surface:	44.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-04	Feet below surface:	38.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-30	Feet below surface:	41.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-25	Feet below surface:	53.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-03	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-01	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-02	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-19	Feet below surface:	40.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-28	Feet below surface:	42.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-02	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-05	Feet below surface:	41.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-11	Feet below surface:	43.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-02	Feet below surface:	51.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-06	Feet below surface:	55.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-11	Feet below surface:	53.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-01	Feet below surface:	41.10
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1972-01-12	Feet below surface:	38.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-05	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-31	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-04	Feet below surface:	34.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-15	Feet below surface:	39.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-08	Feet below surface:	48.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-02	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-02	Feet below surface:	24.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-09	Feet below surface:	25.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-04	Feet below surface:	25.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-02	Feet below surface:	28.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-04	Feet below surface:	36.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-01	Feet below surface:	38.30
Feet to sea level:	Not Reported	Note:	Not Reported

**4
SSE
1/4 - 1/2 Mile
Higher**

Site ID: 083000319T
Groundwater Flow: WSW
Shallow Water Depth: 20
Deep Water Depth: 50
Average Water Depth: Not Reported
Date: 09/10/1987

AQUIFLOW 64547

**5
ESE
1/2 - 1 Mile
Higher**

Site ID: 083002226T
Groundwater Flow: NW
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 14 ft
Date: 06/15/1999

AQUIFLOW 69422

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6
SSW
1/2 - 1 Mile
Lower

CA WELLS CADWR8000004735

State Well #:	06S09W08L001S	Station ID:	5892
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Coastal Plain Of Orange County		
Well Completion Rpt #:	Not Reported		

7
East
1/2 - 1 Mile
Higher

FRDS PWS CA3600603

Epa region:	09	State:	CA
Pwsid:	CA3600603	Pwsname:	CAMP CONIFER
Cityserved:	Not Reported	Stateserved:	CA
Zipsserved:	Not Reported	Fipscounty:	06071
Status:	Closed	Retpopsrvd:	25
Pwssvconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	unknown
Contact:	CAMP CONIFER	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	JHONG KIM
Contactaddress2:	004TH T01NR02W	Contactcity:	RUNNING SPRINGS
Contactstate:	CA	Contactzip:	92382
Pwsactivitycode:	I		
PWS ID:	CA3600603	PWS type:	System Owner/Responsible Party
PWS name:	JHONG KIM	PWS address:	Not Reported
PWS city:	IRVINE	PWS state:	CA
PWS zip:	92714	PWS ID:	CA3600603
Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	CAMP CONIFER	System address:	JHONG KIM
System address:	004TH T01NR02W	System city:	RUNNING SPRINGS
System state:	CA	System zip:	92382
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	334009	Longitude:	1174919

B8
NE
1/2 - 1 Mile
Higher

CA WELLS CADWR8000004823

State Well #:	06S09W04L001S	Station ID:	47281
Well Name:	TIC-25	Well Use:	Observation
Well Type:	Single Well	Well Depth:	790
Basin Name:	Coastal Plain Of Orange County		
Well Completion Rpt #:	41833,35		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B9
NE
1/2 - 1 Mile
Higher

FED USGS USGS40000136648

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S009W04L002S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

10
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000136601

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S009W04K001S	Type:	Well
Description:	NAWQA DATA COM + VER 9-25-2000 SNHAMLIN		
HUC:	18070203	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Quaternary Alluvium	Aquifer Type:	Confined single aquifer
Construction Date:	19991204	Well Depth:	33.5
Well Depth Units:	ft	Well Hole Depth:	33.5
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	2000-07-17
Feet below surface:	16.58	Feet to sea level:	Not Reported
Note:	Not Reported		

11
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40000136471

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S009W08F001S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

12
WNW
1/2 - 1 Mile
Higher

Site ID: 083001464T
Groundwater Flow: NNW
Shallow Water Depth: 0.95
Deep Water Depth: 22.90
Average Water Depth: Not Reported
Date: 07/17/1998

AQUIFLOW 49781

13
North
1/2 - 1 Mile
Higher

FED USGS USGS40000136715

Organization ID: USGS-CA
Organization Name: USGS California Water Science Center
Monitor Location: 006S009W04D001S Type: Well
Description: NAWQA DATA ENTRY COM + VER 07/05/2000 SNHAMLIN
HUC: 18070203 Drainage Area: Not Reported
Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported
Contrib Drainage Area Units: Not Reported Aquifer: California Coastal Basin aquifers
Formation Type: Quaternary Alluvium Aquifer Type: Confined single aquifer
Construction Date: 19991123 Well Depth: 43.5
Well Depth Units: ft Well Hole Depth: 43.5
Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1 Level reading date: 2000-06-22
Feet below surface: 19.85 Feet to sea level: Not Reported
Note: Not Reported

1G
WNW
1/2 - 1 Mile
Lower

Site ID: 083001464T
Groundwater Flow: NNW
Shallow Water Depth: 0.95
Deep Water Depth: 22.90
Average Water Depth: Not Reported
Date: 07/17/1998

AQUIFLOW 49781

2G
WNW
0 - 1/8 Mile
Lower

Site ID: 083000440T
Groundwater Flow: W
Shallow Water Depth: 4.8
Deep Water Depth: 7.5
Average Water Depth: Not Reported
Date: 04/27/1995

AQUIFLOW 69476

3G
ESE
1/2 - 1 Mile
Lower

Site ID: 083002226T
Groundwater Flow: NW
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 14 ft
Date: 06/15/1999

AQUIFLOW 69422

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

4G
SSE
1/4 - 1/2 Mile
Lower

Site ID: 083000319T
Groundwater Flow: WSW
Shallow Water Depth: 20
Deep Water Depth: 50
Average Water Depth: Not Reported
Date: 09/10/1987

AQUIFLOW 64547

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92612	13	0

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA 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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Harvard Avenue and Michelson Drive

Harvard Avenue and Michelson Drive

Irvine, CA 92612

Inquiry Number: 5865502.8

November 12, 2019

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

11/12/19

Site Name:

Harvard Avenue and Michelsor
Harvard Avenue and Michelsor
Irvine, CA 92612
EDR Inquiry # 5865502.8

Client Name:

Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
Contact: Emily Medler



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<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
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 03, 1989	USDA
1985	1"=500'	Flight Date: September 13, 1985	USDA
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: October 30, 1972	USGS
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: December 12, 1952	USDA
1938	1"=500'	Flight Date: June 21, 1938	USDA

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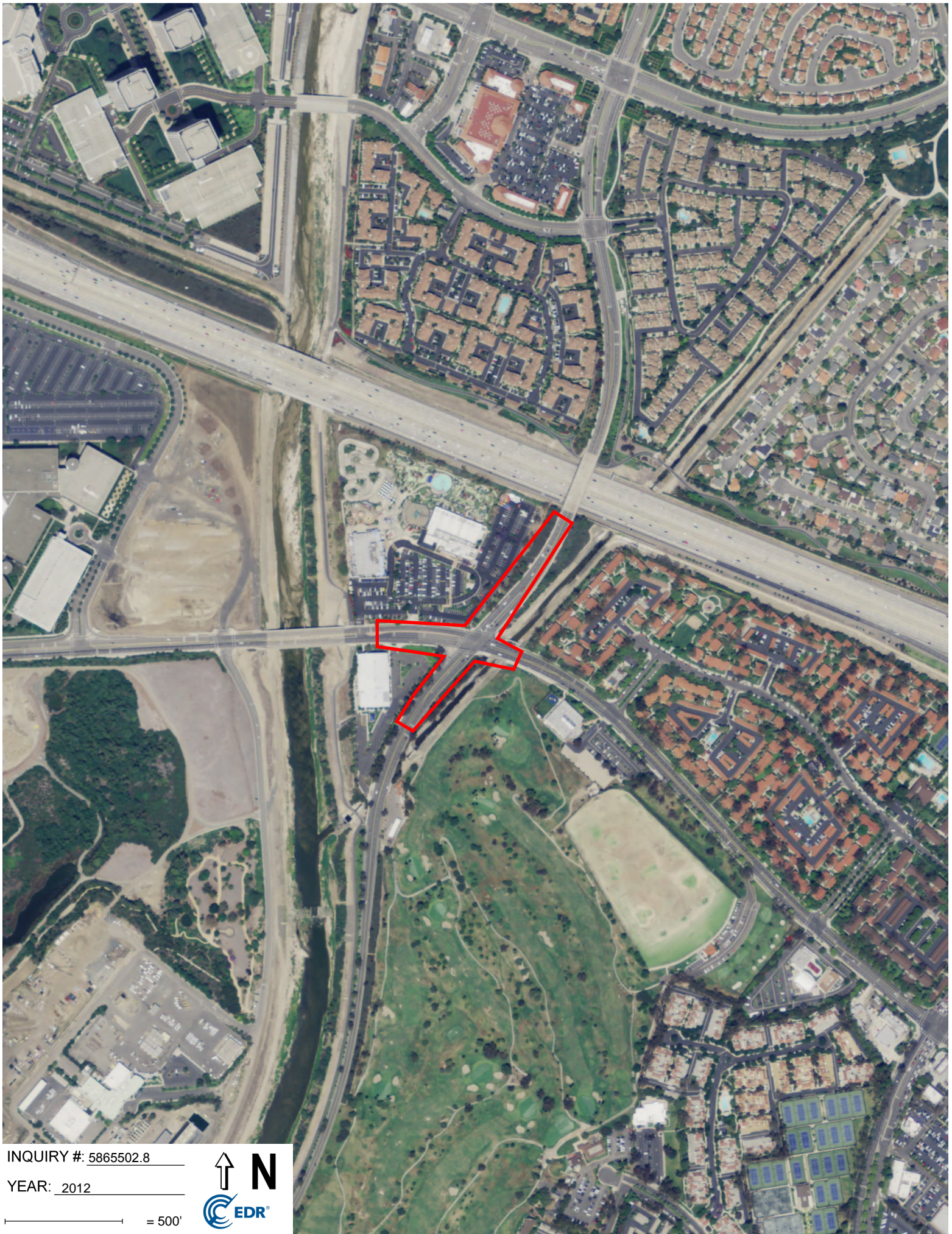


INQUIRY #: 5865502.8

YEAR: 2016

1" = 500'





INQUIRY #: 5865502.8

YEAR: 2012

— = 500'





INQUIRY #: 5865502.8

YEAR: 2009

— = 500'



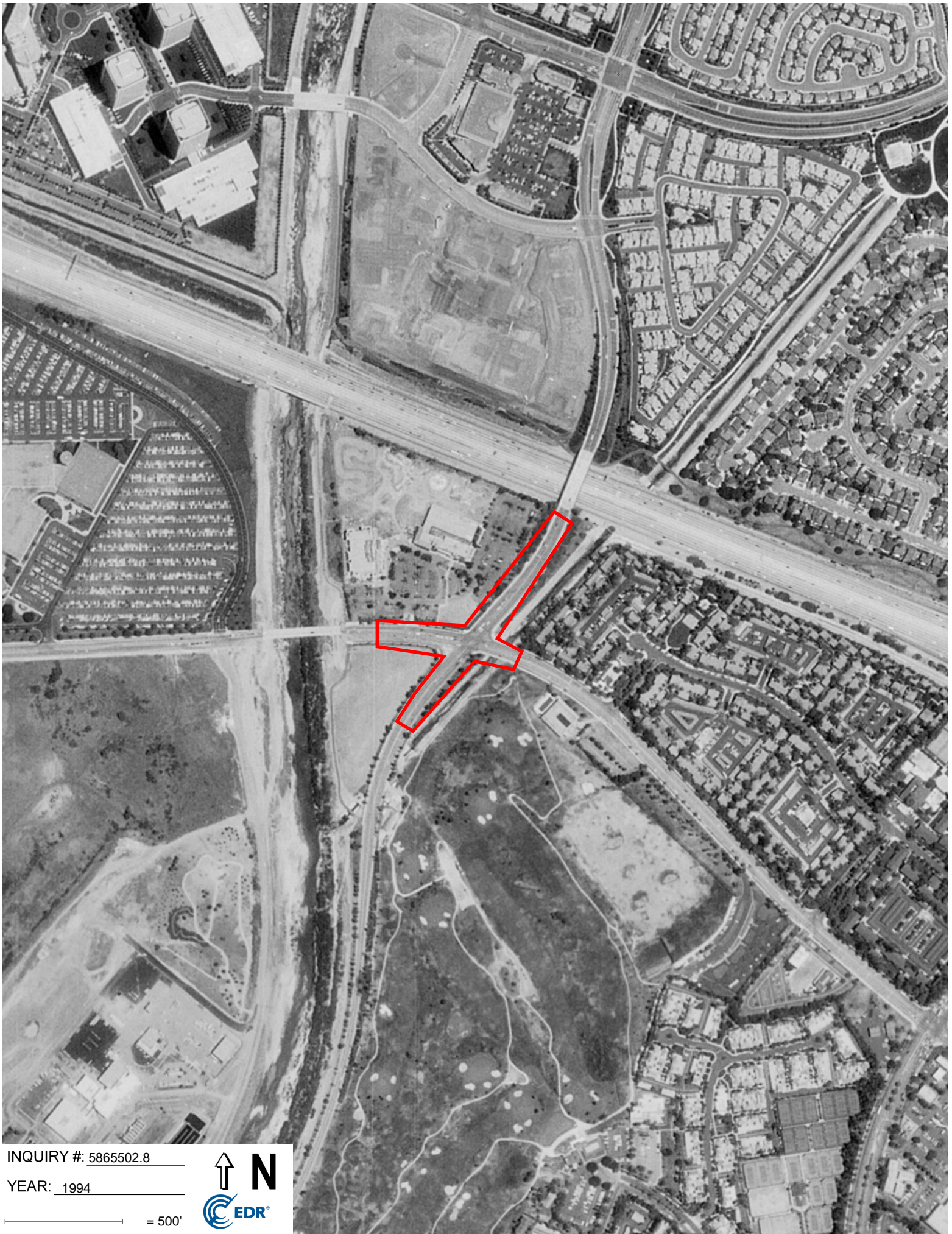


INQUIRY #: 5865502.8

YEAR: 2005

— = 500'





INQUIRY #: 5865502.8

YEAR: 1994

— = 500'





INQUIRY #: 5865502.8

YEAR: 1989

— = 500'





INQUIRY #: 5865502.8

YEAR: 1985

— = 500'





INQUIRY #: 5865502.8

YEAR: 1977

— = 500'



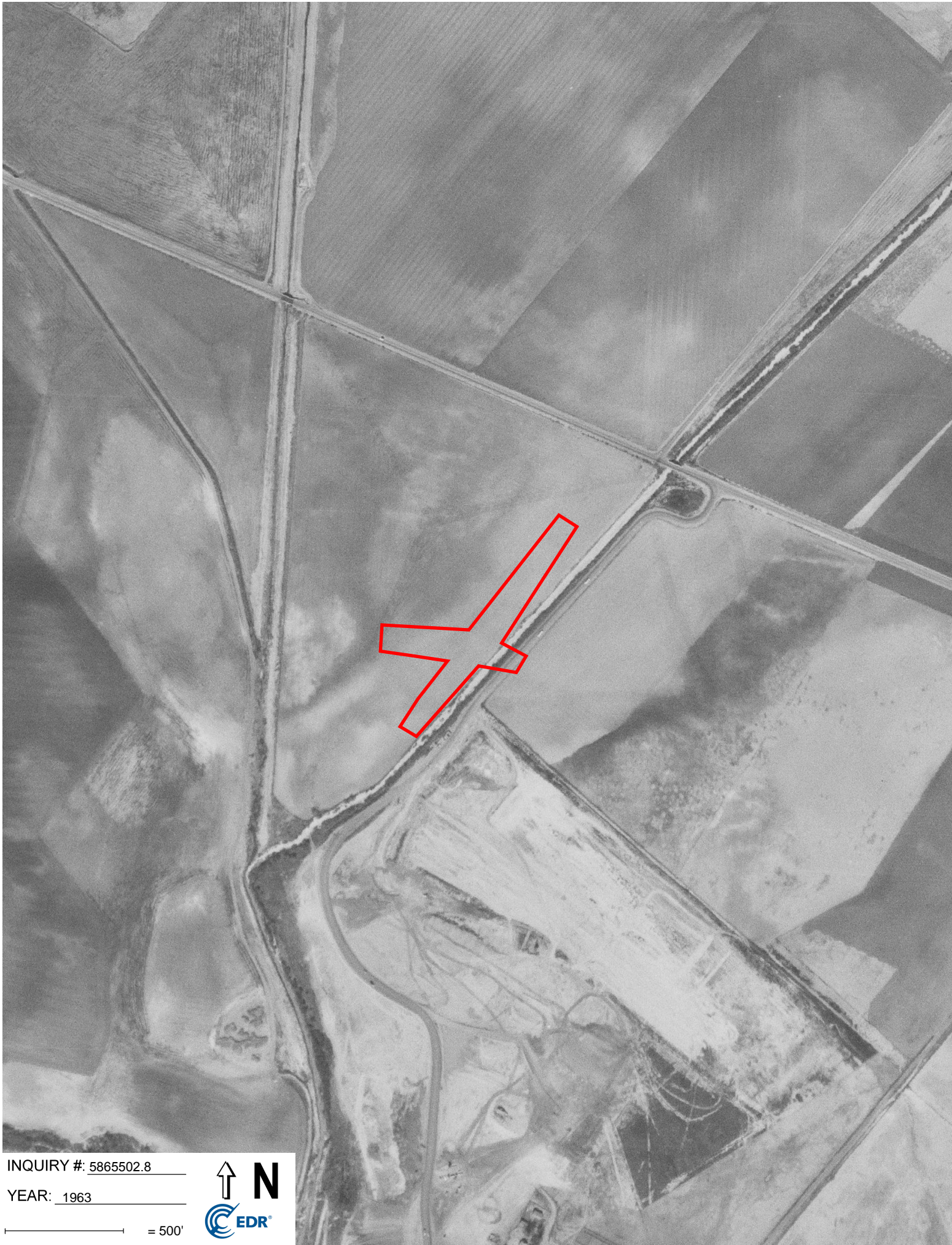


INQUIRY #: 5865502.8

YEAR: 1972

— = 500'





INQUIRY #: 5865502.8

YEAR: 1963

— = 500'





INQUIRY #: 5865502.8

YEAR: 1952

— = 500'





INQUIRY #: 5865502.8

YEAR: 1938

— = 500'



Harvard Avenue and Michelson Drive

Harvard Avenue and Michelson Drive
Irvine, CA 92612

Inquiry Number: 5865502.5
November 12, 2019

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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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 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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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>
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2005	EDR Digital Archive	-	X	X	-
2002	Haines Company	-	X	X	-
2001	Pacific Telephone	-	-	-	-
1997	Pacific Telephone	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	Pacific Bell	-	-	-	-
1991	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1975	Luskey Brothers & Co., Inc.	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1971	Luskey Brothers Co., Inc.	-	-	-	-
1970	Ross Publications	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	Luskey Brothers	-	-	-	-
1961	Luskey Brothers & Co.,	-	-	-	-
1960	Unknown	-	-	-	-
1956	Luskey Brothers & Co., Inc.	-	-	-	-
1955	The Pacific Telephone and Telegraph Co.	-	-	-	-
1952	Luskeys Directory Service Co.	-	-	-	-
1950	West Directory Co.	-	-	-	-
1946	Southern California Telephone Co.	-	-	-	-
1945	McCutcheon & Bragonier	-	-	-	-
1941	Southern California Telephone Co.	-	-	-	-
1936	Western Directory Co.	-	-	-	-
1930	Western Directory Co.	-	-	-	-
1926	Pacific Telephone	-	-	-	-
1925	Western Directory Co.	-	-	-	-
1922	Kaasen Directory Co.	-	-	-	-
1921	Western Directory Co.	-	-	-	-
1920	Santa Ana Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
3512 MICHELSON	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Harvard Avenue and Michelson Drive
Irvine, CA 92612

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.

HARVARD AVE

18191 HARVARD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Boswell A M	Pacific Bell

MICHELSON

3512 MICHELSON

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	Haines Company
1986	San Joaquin Duck Club	Pacific Bell
1980	San Joaquin Duck Club	Pacific Telephone
	San Joaquin Elementary School	Pacific Telephone

Michelson Dr

3400 Michelson Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	UNIVERSITY SYNAGOGUE	EDR Digital Archive
	UNIVERSITY SYNAGOGUE	EDR Digital Archive
2010	UNIVERSITY SYNAGOGUE	EDR Digital Archive
	SOUTH RECONSTRUCTIONIST HAVURA	EDR Digital Archive
	SOUTH RECONSTRUCTIONIST HAVURA	EDR Digital Archive
	UNIVERSITY SYNAGOGUE	EDR Digital Archive
2005	SOUTH RECONSTRUCTIONIST HAVURA	EDR Digital Archive
	UNIVERSITY SYNAGOGUE	EDR Digital Archive
	SOUTH RECONSTRUCTIONIST HAVURA	EDR Digital Archive
	UNIVERSITY SYNAGOGUE	EDR Digital Archive

3405 Michelson Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BOOMERS	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	FESTIVAL FUN PARKS LLC	EDR Digital Archive
	BOOMERS	EDR Digital Archive
	FESTIVAL FUN PARKS LLC	EDR Digital Archive
2010	BOOMERS	EDR Digital Archive
	FESTIVAL FUNPARKS LLC	EDR Digital Archive
	BOOMERS	EDR Digital Archive
	FESTIVAL FUNPARKS LLC	EDR Digital Archive
2005	BOOMERS	EDR Digital Archive
	FESTIVAL FUNPARKS LLC	EDR Digital Archive
	MCDONALDS OF PALACE PARK	EDR Digital Archive
	BOOMERS	EDR Digital Archive
	FESTIVAL FUNPARKS LLC	EDR Digital Archive
	MCDONALDS OF PALACE PARK	EDR Digital Archive

3415 Michelson Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MID VALLEY RANCH LLC	EDR Digital Archive
	REGAL LANES	EDR Digital Archive
	SEQUOIA MANAGEMENT INC	EDR Digital Archive
	FEC OF MESA LLC	EDR Digital Archive
	G BARTON HEULER	EDR Digital Archive
	IRVINE RECREATION PARK	EDR Digital Archive
	S & H RANCH LLC	EDR Digital Archive
	MID VALLEY RANCH LLC	EDR Digital Archive
	REGAL LANES	EDR Digital Archive
	FEC OF MESA LLC	EDR Digital Archive
	G BARTON HEULER	EDR Digital Archive
	SEQUOIA MANAGEMENT INC	EDR Digital Archive
	S & H RANCH LLC	EDR Digital Archive
	IRVINE RECREATION PARK	EDR Digital Archive
2010	SEQUOIA MANAGEMENT INC	EDR Digital Archive
	IRVINE RECREATION PARK	EDR Digital Archive
	G BARTON HEULER	EDR Digital Archive
	S & H RANCH LLC	EDR Digital Archive
	CALIFORNIA RECREATIONAL SVCS	EDR Digital Archive
	REGAL LANES	EDR Digital Archive
	MID VALLEY RANCH LLC	EDR Digital Archive
	S & H RANCH LLC	EDR Digital Archive
	IRVINE RECREATION PARK	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	SEQUOIA MANAGEMENT INC	EDR Digital Archive
	G BARTON HEULER	EDR Digital Archive
	CALIFORNIA RECREATIONAL SVCS	EDR Digital Archive
	REGAL LANES	EDR Digital Archive
	MID VALLEY RANCH LLC	EDR Digital Archive
2005	CALIFORNIA RECREATIONAL SVCS	EDR Digital Archive
	SEQUOIA MANAGEMENT INC	EDR Digital Archive
	IRVINE RECREATION PARK	EDR Digital Archive
	WV RANCHES A CALIFORNIA LT	EDR Digital Archive
	G BARTON HEULER	EDR Digital Archive
	CALIFORNIA RECREATIONAL SVCS	EDR Digital Archive
	G BARTON HEULER	EDR Digital Archive
	WV RANCHES A CALIFORNIA LT	EDR Digital Archive
	IRVINE RECREATION PARK	EDR Digital Archive
	SEQUOIA MANAGEMENT INC	EDR Digital Archive

3512 Michelson Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	IRVINE RANCH WATER DISTRICT	EDR Digital Archive
	IRVINE RANCH WATER DISTRICT	EDR Digital Archive
2010	IRVINE RANCH WATER DISTRICT	EDR Digital Archive
	IRVINE RANCH WATER DISTRICT	EDR Digital Archive
2005	IRVINE RANCH WATER DISTRICT	EDR Digital Archive
	IRVINE RANCH WATER DISTRICT	EDR Digital Archive

MICHELSON DR

3512 MICHELSON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	Haines Company
1986	San Joaquin Duck Club	Pacific Bell
1980	San Joaquin Elementary School	Pacific Telephone
	San Joaquin Duck Club	Pacific Telephone

Michelson Dr

3652 Michelson Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CONGREGATION SHIRHA-MA ALOT	EDR Digital Archive
	CONGREGATION SHIRHA-MA ALOT	EDR Digital Archive

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	CONGREGATION SHIRHA-MA ALOT	EDR Digital Archive
	RANCHO SAN JOAQUIN PARTNERS	EDR Digital Archive
	RANCHO SAN JOAQUIN PARTNERS	EDR Digital Archive
	CONGREGATION SHIRHA-MA ALOT	EDR Digital Archive
2005	RANCHO SAN JOAQUIN PARTNERS	EDR Digital Archive
	CONGREGATION SHIRHA-MA ALOT	EDR Digital Archive
	RANCHO SAN JOAQUIN PARTNERS	EDR Digital Archive
	CONGREGATION SHIRHA-MA ALOT	EDR Digital Archive

MICHELSON DR

3652 MICHELSON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CONGREGATION SHIR HA MAALOT	Pacific Bell
1991	California Coast Club	Pacific Bell
1986	Rancho San Joaquin Athletic Club	Pacific Bell
1980	E	Pacific Telephone
	Rtetestaurant	Pacific Telephone
	rg Maintenance	Pacific Telephone
	cho San Joaquin Athletic Club	Pacific Telephone

Michelson Dr

3661 Michelson Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	KINDERCARE LEARNING CTRS LLC	EDR Digital Archive
	KINDERCARE LEARNING CTRS LLC	EDR Digital Archive
2010	KINDERCARE LEARNING CTRS INC	EDR Digital Archive
	KINDERCARE LEARNING CTRS INC	EDR Digital Archive
2005	KINDERCARE LEARNING CENTERS	EDR Digital Archive
	KINDERCARE LEARNING CENTERS	EDR Digital Archive

MICHELSON DR

3661 MICHELSON DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LEARNING CENTERS	Haines Company
	KINDERCARE	Haines Company
1995	KINDERCARE LEARNING CENTERS	Pacific Bell
	Irvine	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Irvine	Pacific Bell

PARK VIEW LN

3601 PARK VIEW LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Hamidi Gul	Pacific Bell

PARKVIEW

3601 PARKVIEW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Silval I II	Pacific Bell

PARKVIEW AVE

3601 PARKVIEW AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Peterson Johnf L	Pacific Telephone

PARKVIEW CIR

3601 PARKVIEW CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Mosey Paul & Rose @Anaheim@	Pacific Bell
	Rao Mylar	Pacific Bell
	Budd Ron & Crystal HR	Pacific Bell
	Budd Robert & Valerie	Pacific Bell
	Budd Richard T @Huntington Beach@	Pacific Bell
	Budd Richard L @Westminster@	Pacific Bell
	Budd Randali	Pacific Bell
1986	Kikkawa Sunmo	Pacific Bell
1980	Sridharan KS	Pacific Telephone
	Amoh Takashi	Pacific Telephone
	Wandzura Rochelle	Pacific Telephone

FINDINGS

PARKVIEW LN

3601 PARKVIEW LN

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	APARTMENTS ALBAKAWIRaedi F 949 6 S	Haines Company
	C AYALALerao	Haines Company
	BAILEYRyan O	Haines Company
	BERTRAM Jack R	Haines Company
1995	Anderson Frank A	Pacific Bell
	Bassiri David N	Pacific Bell
	Bemis Leon	Pacific Bell
	Bertram Jack R	Pacific Bell
	Custom Computer Co	Pacific Bell
	Hanlin A	Pacific Bell
	Harris James E & Karen M	Pacific Bell
	Hedayati Mohammad	Pacific Bell
	Koga Takashi	Pacific Bell
	Kondo Naoko	Pacific Bell
	Lambruschini Ivana	Pacific Bell
	Milro Chnick Albert	Pacific Bell
	Nakanishi Y	Pacific Bell
	Nguyen Amanda Nga	Pacific Bell
	Park Roy	Pacific Bell
	Schlatter J	Pacific Bell
	Silva Kevin	Pacific Bell
	Vogel Anne	Pacific Bell
	Braakman Jerry	Pacific Bell
1991	Anderson Frank A	Pacific Bell
	Andrew N	Pacific Bell
	Bassiri David N	Pacific Bell
	Bassiri Friedl M	Pacific Bell
	Bemis Leon	Pacific Bell
	Bertram Jack R	Pacific Bell
	Beth Jacob Congregation Irvine	Pacific Bell
	Brar Hardip	Pacific Bell
	Brown Jim	Pacific Bell
	Chong Keith	Pacific Bell
	Custom Computer Co	Pacific Bell
	Grooms Scott	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Hubbard Michele	Pacific Bell
	Karatas Mark	Pacific Bell
	Keller William & Sandra	Pacific Bell
	Kerchenfaut L	Pacific Bell
	Lefebvre Valadimir	Pacific Bell
	Le Port M	Pacific Bell
	Macdonald Mary Lou	Pacific Bell
	Martine GL	Pacific Bell
	Matol Botanical Independent Distributor	Pacific Bell
	Mc Devitt Matt And Nancy	Pacific Bell
	Mullen Steven J	Pacific Bell
	Nelson Timothy	Pacific Bell
	Newby James	Pacific Bell
	Obryant Daniel	Pacific Bell
	Rabin A	Pacific Bell
	Randig Robert	Pacific Bell
	Rentmeester Mark	Pacific Bell
	Renton C	Pacific Bell
	Resnick Jason	Pacific Bell
	Schaffer Philip	Pacific Bell
	Shokair Said M	Pacific Bell
	Shokat Fadaï Farad	Pacific Bell
	Siegmund Inc	Pacific Bell
	Smith S L	Pacific Bell
	Tanadjaja Didi	Pacific Bell
	Young James & Shari	Pacific Bell
	Insana Craig	Pacific Bell
	Weerasuriya Shayamali	Pacific Bell
1986	Hunt J	Pacific Bell
	Refaie M S	Pacific Bell
	Ambrose Henry J	Pacific Bell
	Anderson Frank A	Pacific Bell
	Applegate Jil I	Pacific Bell
	Bani Jim	Pacific Bell
	Belgum L A & Eric	Pacific Bell
	Carr Candace L	Pacific Bell
	Cheng Gail	Pacific Bell
	Colkttt D	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Copln Stacey	Pacific Bell
	Corbett J	Pacific Bell
	Corcoran Robert M	Pacific Bell
	Cramer Clayton	Pacific Bell
	Crosbie T	Pacific Bell
	Curtis Bradley	Pacific Bell
	Danesh Moghadajam K H	Pacific Bell
	De Boc Darryl	Pacific Bell
	Fife David A	Pacific Bell
	Fousek Malory	Pacific Bell
	Fung Stanley & Lyn	Pacific Bell
	Gates Lee	Pacific Bell
	Gerencser John G	Pacific Bell
	Geverse Mohammad	Pacific Bell
	Glavan Steven N	Pacific Bell
	Jusuf J	Pacific Bell
	Kim Myong J	Pacific Bell
	Kock Timothy E	Pacific Bell
	Konishi Shoji	Pacific Bell
	Kus Jim	Pacific Bell
	Le Beau Nell	Pacific Bell
	Lefebvre Valadimir	Pacific Bell
	Lrm L	Pacific Bell
	Livdal Karl A & Ulla	Pacific Bell
	Luna G	Pacific Bell
	Maor Don	Pacific Bell
	Mc Donald B A	Pacific Bell
	Mc Donald Mary Lou	Pacific Bell
	Mc Gill Logan	Pacific Bell
	Mc Millan Bill	Pacific Bell
	Mets Pnzahl Paul J	Pacific Bell
	Monmoto A	Pacific Bell
	Newby James	Pacific Bell
	Olson Tracy	Pacific Bell
	Park Richard	Pacific Bell
	Park Seung Soon	Pacific Bell
	Park Seung Soon	Pacific Bell
	Reaginf Soncia R	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Rospond Robt	Pacific Bell
	Ruderman Bob	Pacific Bell
	Ruston Cornel	Pacific Bell
	Schoenberger Ten A	Pacific Bell
	Shuck J E	Pacific Bell
	Stager Jonathan	Pacific Bell
	Smith Martin J	Pacific Bell
	Somers Mark	Pacific Bell
	Spada Sheila	Pacific Bell
	Strehl Richard	Pacific Bell
	Suzuki Richard	Pacific Bell
1980	Alvarez Eduardo	Pacific Telephone
	Anderson Frank A	Pacific Telephone
	Beeman David	Pacific Telephone
	Bennett David S	Pacific Telephone
	Bennett John T	Pacific Telephone
	Bernstein S H	Pacific Telephone
	Blattman Leslie	Pacific Telephone
	Buckingham Paul A	Pacific Telephone
	Callahan P	Pacific Telephone
	Clung Yong	Pacific Telephone
	Eastwood Alan	Pacific Telephone
	Garcia J R Jr	Pacific Telephone
	Gibalevich Alexander	Pacific Telephone
	Gill M R & Glenn	Pacific Telephone
	Gill Marilyn	Pacific Telephone
	Green Katty T	Pacific Telephone
	I Greene C	Pacific Telephone
	Greene Debbie	Pacific Telephone
	He e	Pacific Telephone
	Huang Alfred T	Pacific Telephone
	ang Daekyoo	Pacific Telephone
	Iannuzzi Frank J	Pacific Telephone
	Jones Albert W	Pacific Telephone
	Khaloghli Nazila	Pacific Telephone
	Kinoshita Akira	Pacific Telephone
	I Krotine C A	Pacific Telephone
	i Lefebvre Valadimir	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Le Pard Thos E	Pacific Telephone
	uebanos J & R	Pacific Telephone
	Luster Joanna	Pacific Telephone
	Lynch C A	Pacific Telephone
	Macdonald Mary Lou	Pacific Telephone
	Malter Bernard	Pacific Telephone
	Mc Ian Bill	Pacific Telephone
	Mecca E	Pacific Telephone
	Mulcahy Wm	Pacific Telephone
	Nguyen Quang N	Pacific Telephone
	Nishimura Yutaka	Pacific Telephone
	Oriscoll Kevin	Pacific Telephone
	Owens Evelyn	Pacific Telephone
	Phelan Thomas F	Pacific Telephone
	I Pirtle Gloria	Pacific Telephone
	Pontlus Bart	Pacific Telephone
	Reed J	Pacific Telephone
	Ress Bobby J	Pacific Telephone
	Rodriguez Manuel A	Pacific Telephone
	Rodrguez Manue IG	Pacific Telephone
	j todrlquez Sami	Pacific Telephone
	Sawa Koji	Pacific Telephone
	Schmidt L	Pacific Telephone
	Schmidt L E	Pacific Telephone
	Shimohira Mitsushi	Pacific Telephone
	Smith Martin J	Pacific Telephone
	Solem Diane	Pacific Telephone
	Steele Barbara J	Pacific Telephone
	Szymanski Paul A	Pacific Telephone
	Walker Steven & Rita	Pacific Telephone
	Webb Mary W	Pacific Telephone
	Wieler Henry F	Pacific Telephone
	Coleman John M	Pacific Telephone
	Saito Kaneharu	Pacific Telephone
1975	Acord Michael P MD	Luskey Brothers & Co., Inc.
	Alstrom John	Luskey Brothers & Co., Inc.
	Anderson Bernard Wm	Luskey Brothers & Co., Inc.
	Anderson Frank A	Luskey Brothers & Co., Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Badger L	Luskey Brothers & Co., Inc.
	Beck Garry L	Luskey Brothers & Co., Inc.
	Boyle B	Luskey Brothers & Co., Inc.
	Brown Loren W	Luskey Brothers & Co., Inc.
	Browne D B	Luskey Brothers & Co., Inc.
	Causey Ann	Luskey Brothers & Co., Inc.
	Clark J A	Luskey Brothers & Co., Inc.
	Coltman B R	Luskey Brothers & Co., Inc.
	Curhan D	Luskey Brothers & Co., Inc.
	Cvik D	Luskey Brothers & Co., Inc.
	Daguet Alain	Luskey Brothers & Co., Inc.
	Daley Lu	Luskey Brothers & Co., Inc.
	DeWitt W K	Luskey Brothers & Co., Inc.
	Dogil Conrad	Luskey Brothers & Co., Inc.
	Dougherty Chuck W	Luskey Brothers & Co., Inc.
	Dunn B J	Luskey Brothers & Co., Inc.
	Erickson Mistie G	Luskey Brothers & Co., Inc.
	Franklin Max	Luskey Brothers & Co., Inc.
	Gelles Edith	Luskey Brothers & Co., Inc.
	George Eugene S	Luskey Brothers & Co., Inc.
	Gill Glenn	Luskey Brothers & Co., Inc.
	Hamilt Herbert A	Luskey Brothers & Co., Inc.
	Res	Luskey Brothers & Co., Inc.
	Hau Warren	Luskey Brothers & Co., Inc.
	Heiser Robt S	Luskey Brothers & Co., Inc.
	Hoffman D Robt	Luskey Brothers & Co., Inc.
	Huang Alfred T	Luskey Brothers & Co., Inc.
	Jackson D	Luskey Brothers & Co., Inc.
	Kanter Chas A	Luskey Brothers & Co., Inc.
	Kessler David M	Luskey Brothers & Co., Inc.
	Killion Bob	Luskey Brothers & Co., Inc.
	King Jack	Luskey Brothers & Co., Inc.
	King Ronald R	Luskey Brothers & Co., Inc.
	Knorr Larry	Luskey Brothers & Co., Inc.
	Lanham A	Luskey Brothers & Co., Inc.
	Latimore F K	Luskey Brothers & Co., Inc.
	Le Mong Hoa	Luskey Brothers & Co., Inc.
	Leeg P A	Luskey Brothers & Co., Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Livingston Geo H	Luskey Brothers & Co., Inc.
	LIVINGSTON GRAHAM INC	Luskey Brothers & Co., Inc.
	Macdonald Mary Louise Ms	Luskey Brothers & Co., Inc.
	Madison P	Luskey Brothers & Co., Inc.
	McCallum Gary R	Luskey Brothers & Co., Inc.
	McGrew Sheryl	Luskey Brothers & Co., Inc.
	McHarg Larry	Luskey Brothers & Co., Inc.
	Montanez S A	Luskey Brothers & Co., Inc.
	Nicholson S	Luskey Brothers & Co., Inc.
	Noguchi T	Luskey Brothers & Co., Inc.
	Orme Doug	Luskey Brothers & Co., Inc.
	Otero Plinio	Luskey Brothers & Co., Inc.
	Ponichtera Jas R	Luskey Brothers & Co., Inc.
	Pratt P	Luskey Brothers & Co., Inc.
	Reed L M	Luskey Brothers & Co., Inc.
	Reeder Rosemary	Luskey Brothers & Co., Inc.
	Refaie M S	Luskey Brothers & Co., Inc.
	Ross Julie	Luskey Brothers & Co., Inc.
	Ruse Jimmy W	Luskey Brothers & Co., Inc.
	Schafnitz Sherman	Luskey Brothers & Co., Inc.
	Shah Dinesh	Luskey Brothers & Co., Inc.
	Silsbee P V	Luskey Brothers & Co., Inc.
	Smith Wm J	Luskey Brothers & Co., Inc.
	Snyder C A	Luskey Brothers & Co., Inc.
	Stewart Bette J	Luskey Brothers & Co., Inc.
	Sullivan T J	Luskey Brothers & Co., Inc.
	Symons Nadine	Luskey Brothers & Co., Inc.
	Templeton P J	Luskey Brothers & Co., Inc.
	Thompson Wm J	Luskey Brothers & Co., Inc.
	Turbow Marvin Dr	Luskey Brothers & Co., Inc.
	Turbow & Turbow MDs urology	Luskey Brothers & Co., Inc.
	Valli Christopher	Luskey Brothers & Co., Inc.
	Vance A M	Luskey Brothers & Co., Inc.
	Van Cleve John	Luskey Brothers & Co., Inc.
	Van Dalfsen Jas L	Luskey Brothers & Co., Inc.
	Vanden Bogaerde Jack	Luskey Brothers & Co., Inc.
	Weinberg Herman J	Luskey Brothers & Co., Inc.
	Weiss Michael	Luskey Brothers & Co., Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Weltner Wm F Jr	Luskey Brothers & Co., Inc.
	Winter J A	Luskey Brothers & Co., Inc.
	Yoshitomi A	Luskey Brothers & Co., Inc.
	Young Beverly A	Luskey Brothers & Co., Inc.

PARKVIEW TER

3601 PARKVIEW TER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Lee Amber	Pacific Bell

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
18191 HARVARD AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3400 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3400 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3405 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3405 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3415 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3415 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3512 MICHELSON	2014, 2010, 2005, 2001, 1997, 1995, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3512 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3512 MICHELSON DR	2014, 2010, 2005, 2001, 1997, 1995, 1992, 1991, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3512 Michelson Dr	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3601 PARK VIEW LN	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3601 PARKVIEW	2014, 2010, 2005, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3601 PARKVIEW AVE	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
3601 PARKVIEW CIR	2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

3601 PARKVIEW LN

3601 PARKVIEW TER

3652 MICHELSON DR

3652 Michelson Dr

3652 Michelson Dr

3661 MICHELSON DR

3661 Michelson Dr

3661 Michelson Dr

Address Not Identified in Research Source

2014, 2010, 2005, 2001, 1997, 1992, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2002, 2001, 1997, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2014, 2010, 2005, 2001, 1997, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

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

Harvard Avenue and Michelson Drive

Address Not Identified in Research Source

2014, 2010, 2005, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920



Harvard Avenue and Michelson Drive

Harvard Avenue and Michelson Drive

Irvine, CA 92612

Inquiry Number: 5865502.3

November 12, 2019

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/12/19

Site Name:

Harvard Avenue and Michelson
Harvard Avenue and Michelson
Irvine, CA 92612
EDR Inquiry # 5865502.3

Client Name:

Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
Contact: Emily Medler



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # AFEA-47AE-A7F3

PO # 2042557300

Project Harvard-Michelson Intersection

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: AFEA-47AE-A7F3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Harvard Avenue and Michelson Drive

Harvard Avenue and Michelson Drive

Irvine, CA 92612

Inquiry Number: 5865502.4

November 12, 2019

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

11/12/19

Site Name:

Harvard Avenue and Michelsor
Harvard Avenue and Michelsor
Irvine, CA 92612
EDR Inquiry # 5865502.4

Client Name:

Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
Contact: Emily Medler



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. 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.#	2042557300	Latitude:	33.670583 33° 40' 14" North
Project:	Harvard-Michelson Intersection	Longitude:	-117.833359 -117° 50' 0" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	422744.25
		UTM Y Meters:	3725943.36
		Elevation:	33.79' above sea level

Maps Provided:

2012	1932
1981	1902
1972	1901
1965	1896
1950	
1948	
1942	
1935	

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Topo Sheet Key

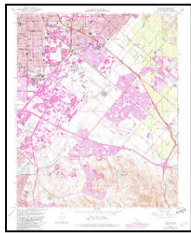
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



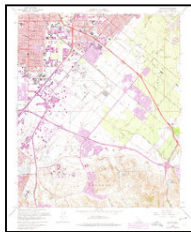
Tustin
2012
7.5-minute, 24000

1981 Source Sheets



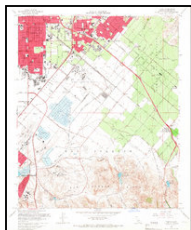
Tustin
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Tustin
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1965 Source Sheets



Tustin
1965
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

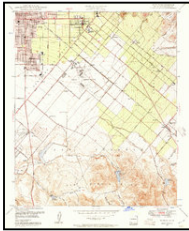
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1950 Source Sheets



Tustin
1950
7.5-minute, 24000
Aerial Photo Revised 1946

1948 Source Sheets



Tustin
1948
7.5-minute, 24000
Aerial Photo Revised 1946

1942 Source Sheets



SANTA ANA
1942
15-minute, 50000

1935 Source Sheets



Tustin
1935
7.5-minute, 31680

Topo Sheet Key

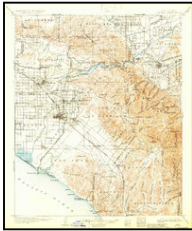
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1932 Source Sheets



Tustin
1932
7.5-minute, 31680

1902 Source Sheets



Corona
1902
30-minute, 125000

1901 Source Sheets

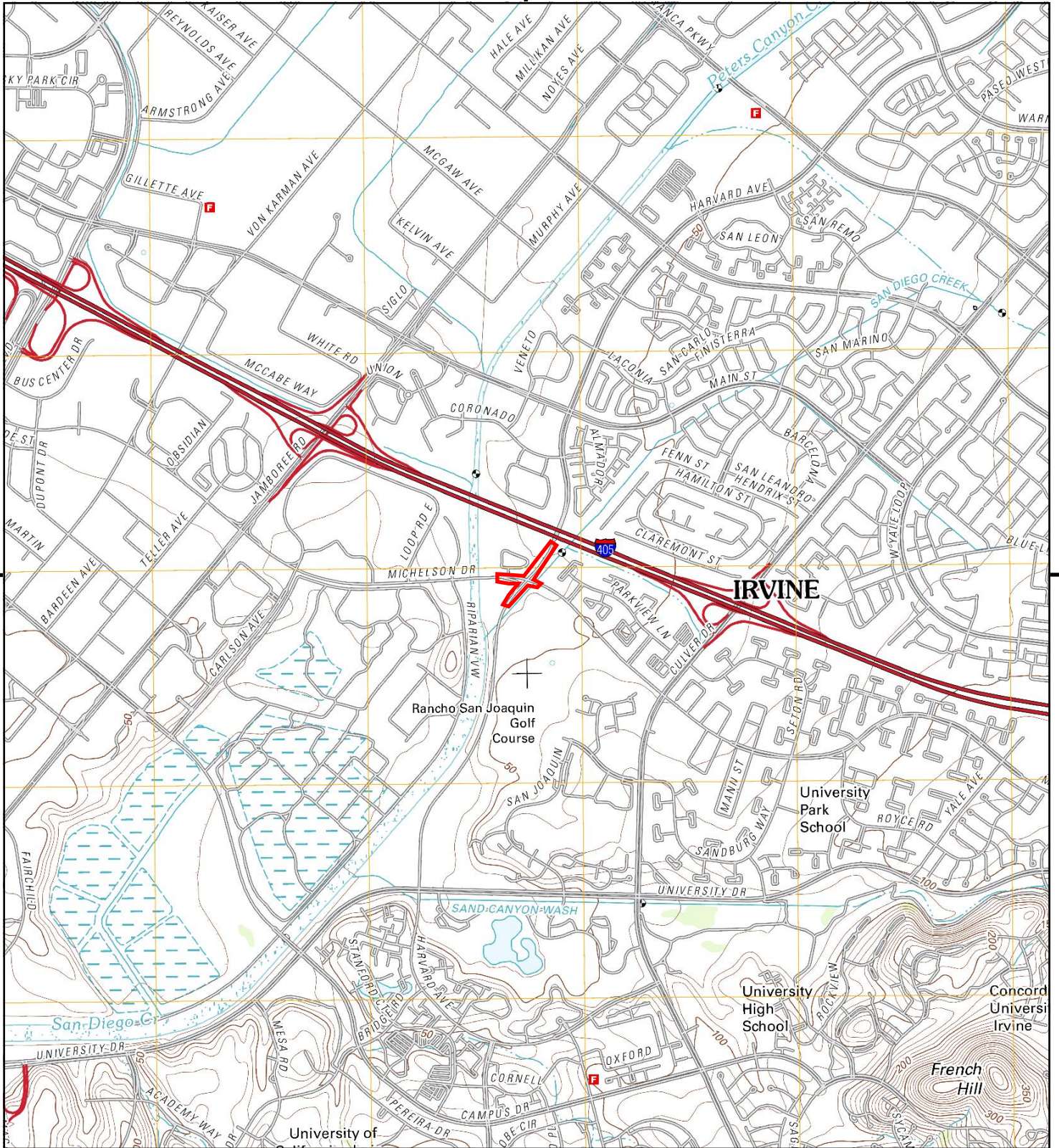


Santa Ana
1901
15-minute, 62500

1896 Source Sheets



Santa Ana
1896
15-minute, 62500



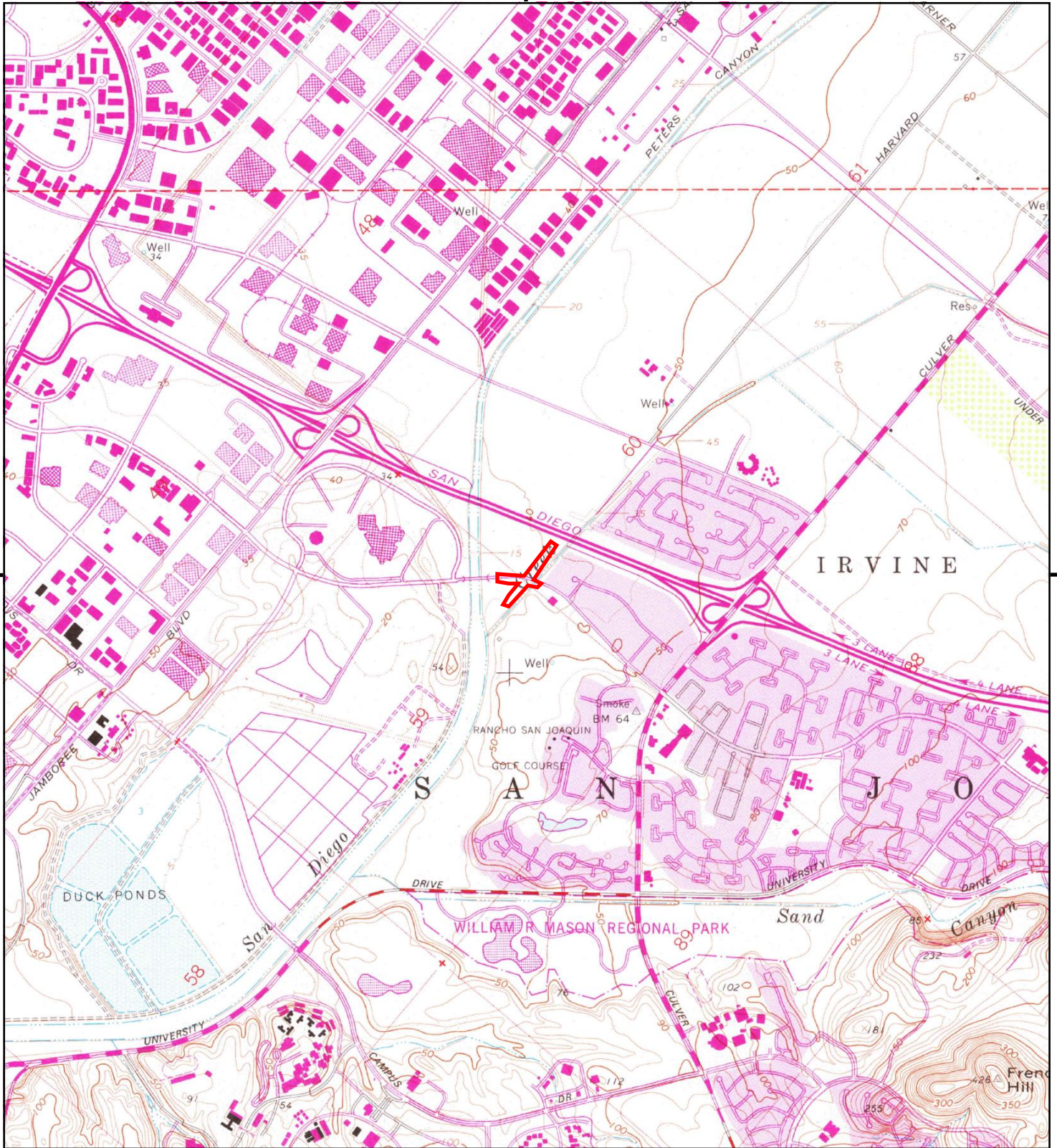
This report includes information from the following map sheet(s).



TP, Tustin, 2012, 7.5-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





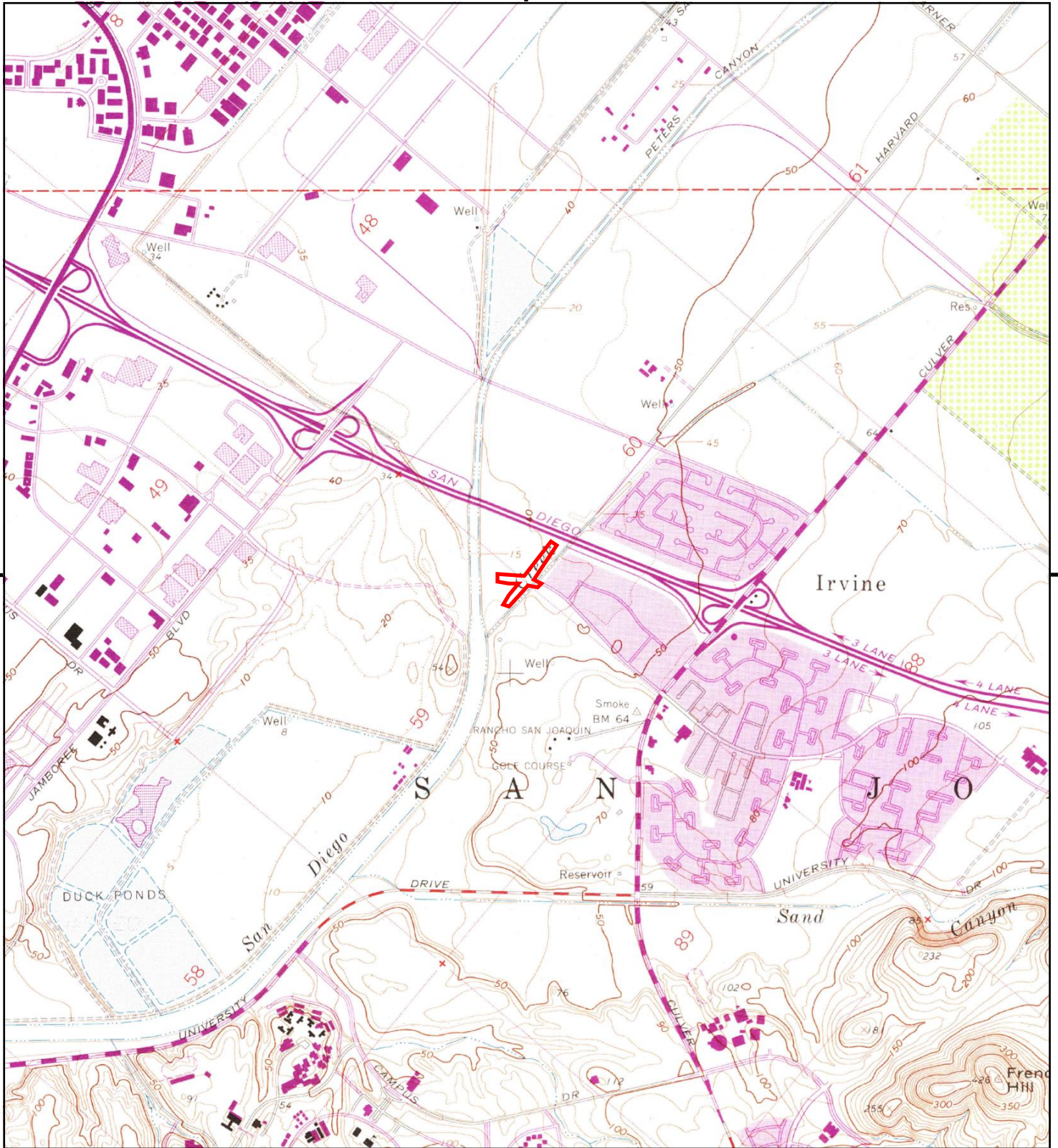
This report includes information from the following map sheet(s).



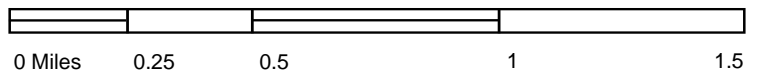
TP, Tustin, 1981, 7.5-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





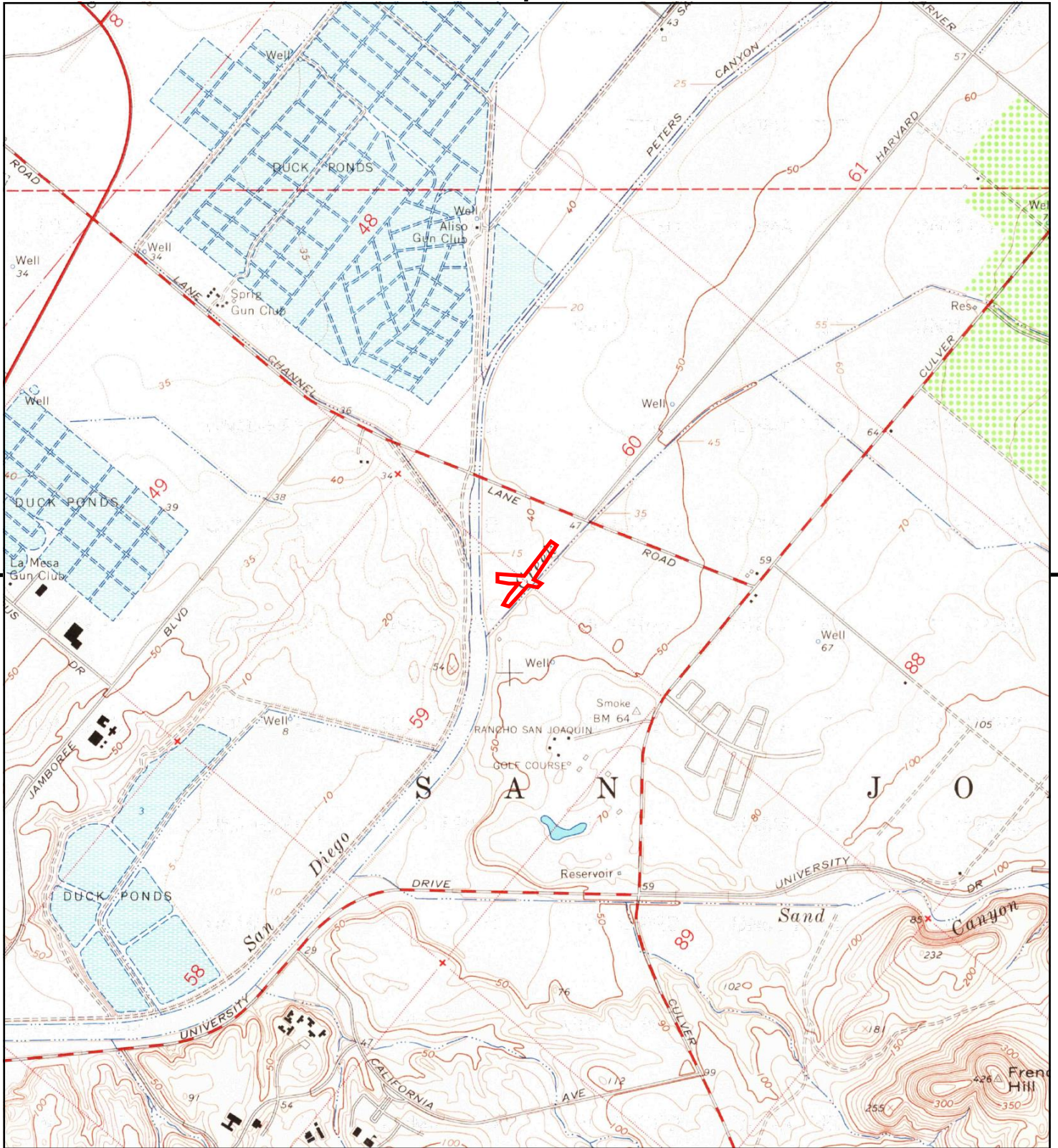
This report includes information from the following map sheet(s).



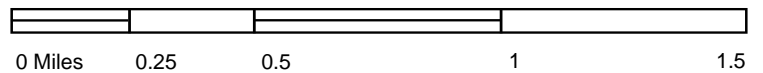
TP, Tustin, 1972, 7.5-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





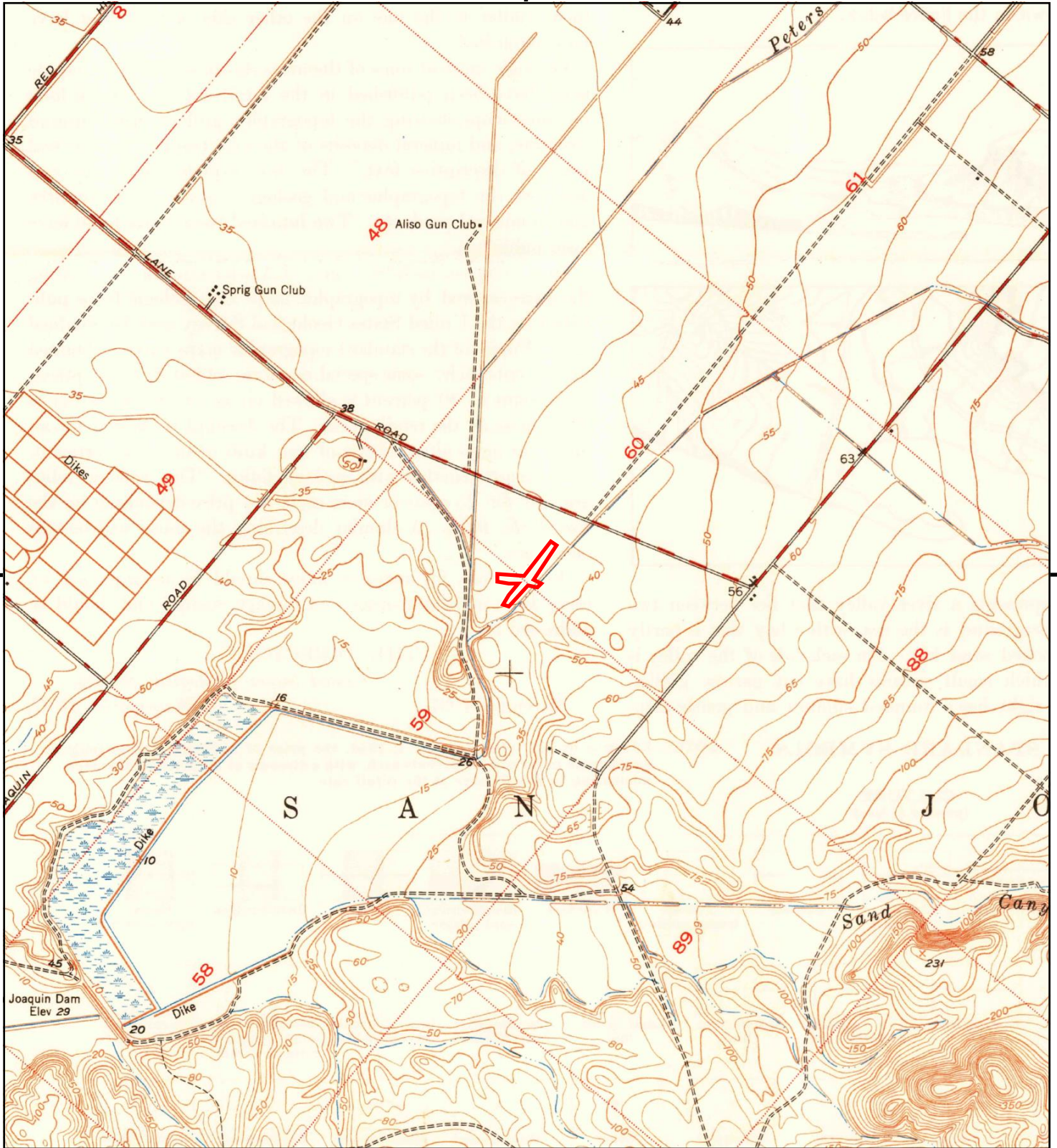
This report includes information from the following map sheet(s).



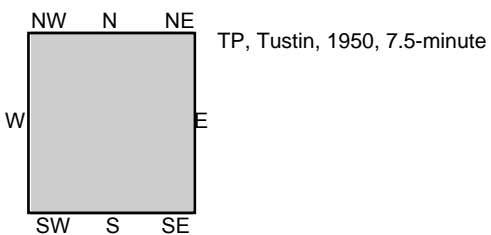
TP, Tustin, 1965, 7.5-minute

SITE NAME: Harvard Avenue and Michelson Drive
ADDRESS: Harvard Avenue and Michelson Drive
Irvine, CA 92612
CLIENT: Stantec



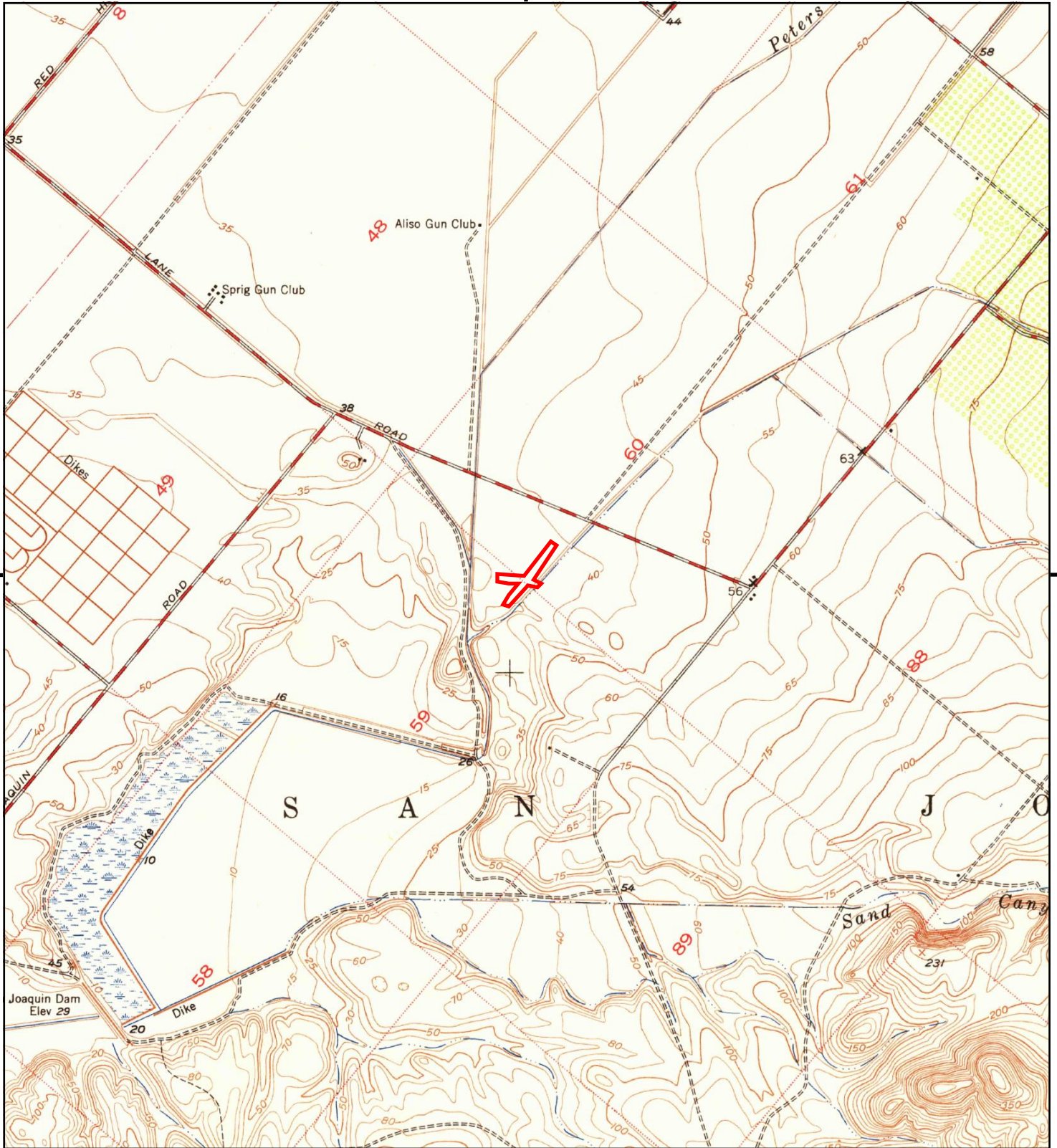


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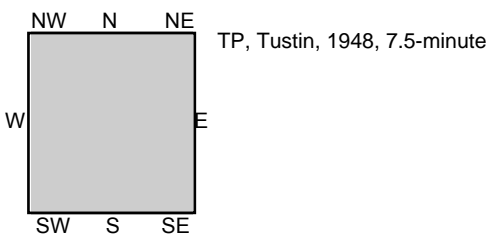


SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec



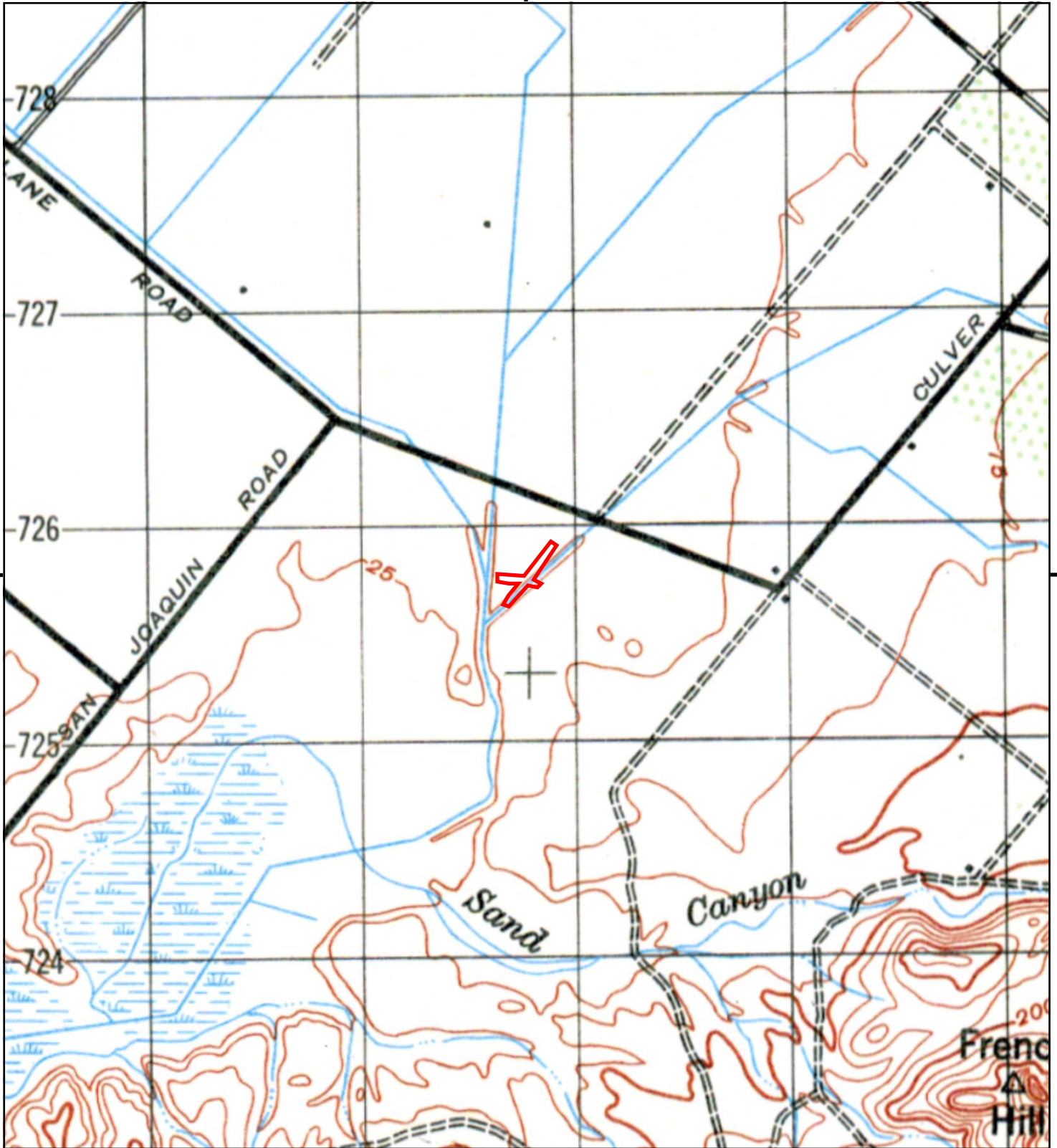


This report includes information from the following map sheet(s).



SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





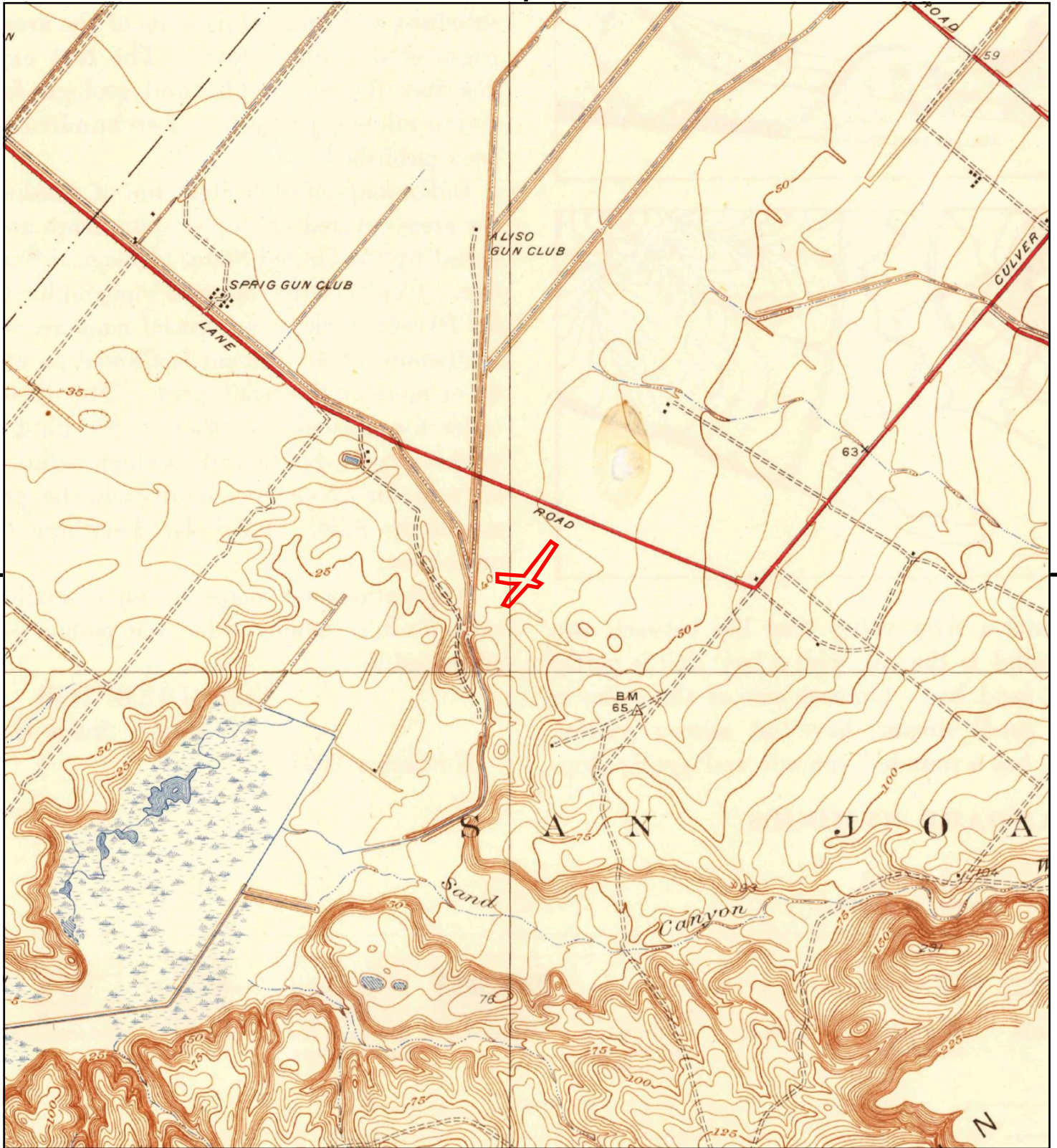
This report includes information from the following map sheet(s).



TP, SANTA ANA, 1942, 15-minute

SITE NAME: Harvard Avenue and Michelson Drive
ADDRESS: Harvard Avenue and Michelson Drive
Irvine, CA 92612
CLIENT: Stantec





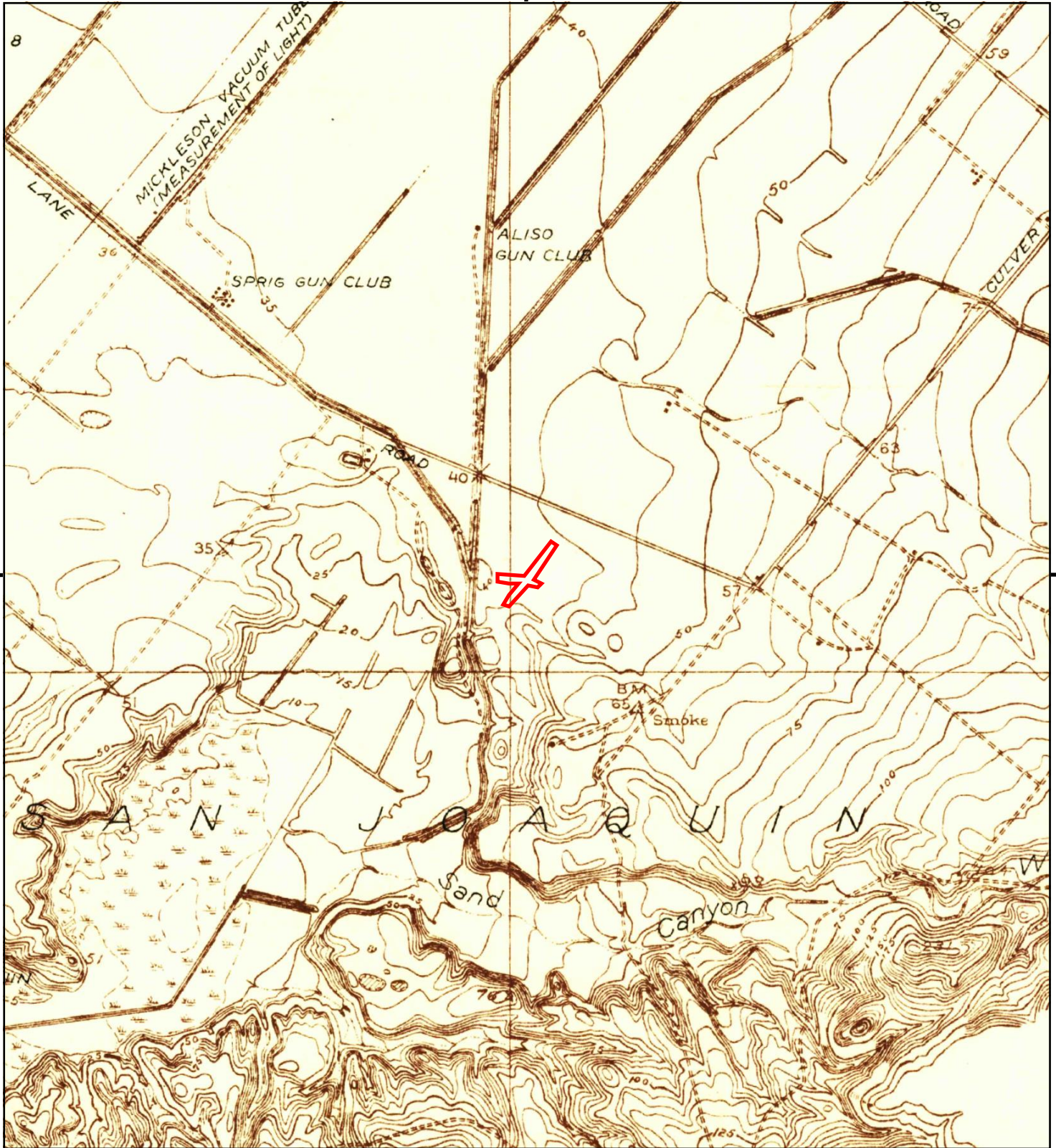
This report includes information from the following map sheet(s).



TP, Tustin, 1935, 7.5-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





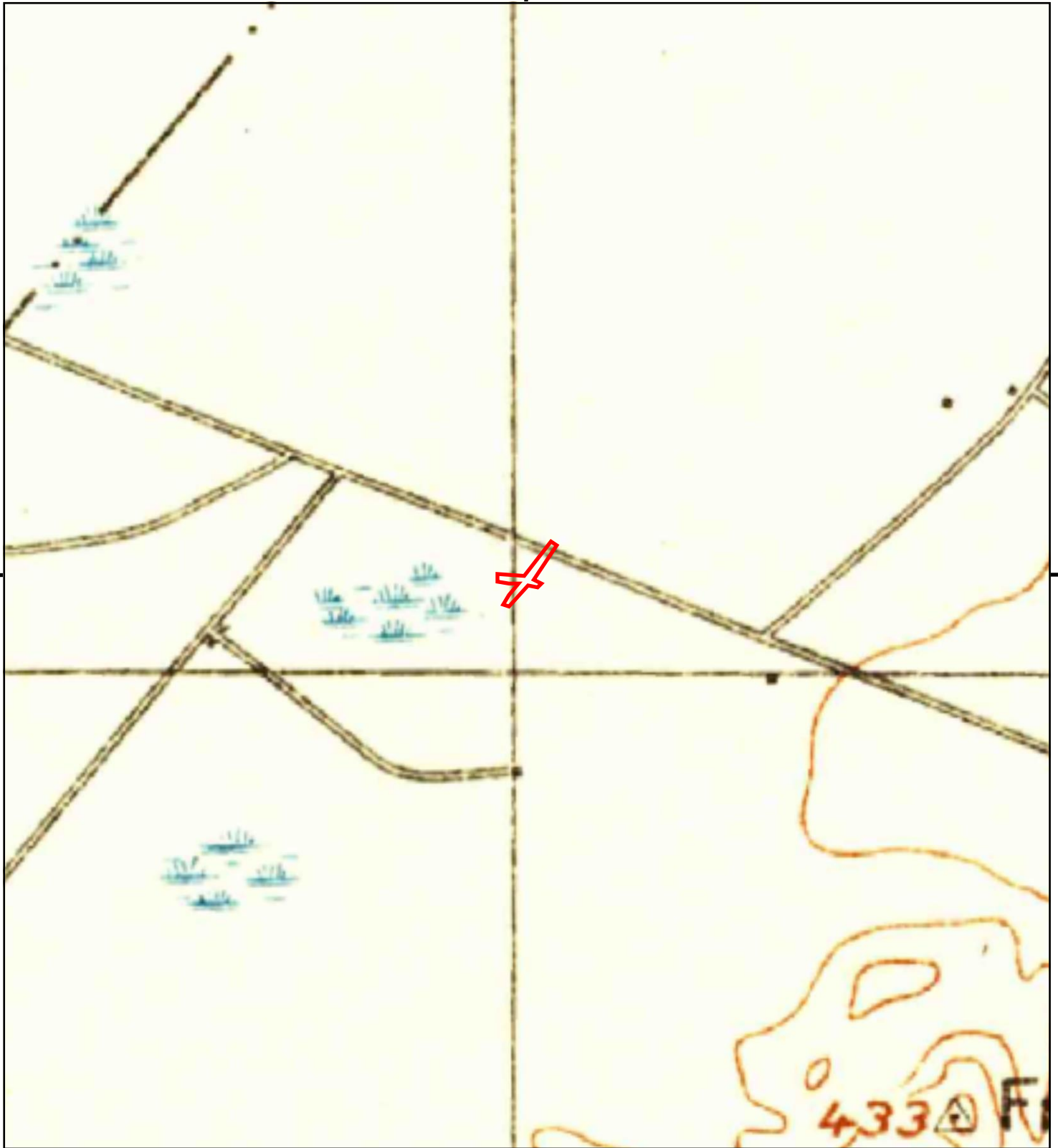
This report includes information from the following map sheet(s).



TP, Tustin, 1932, 7.5-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





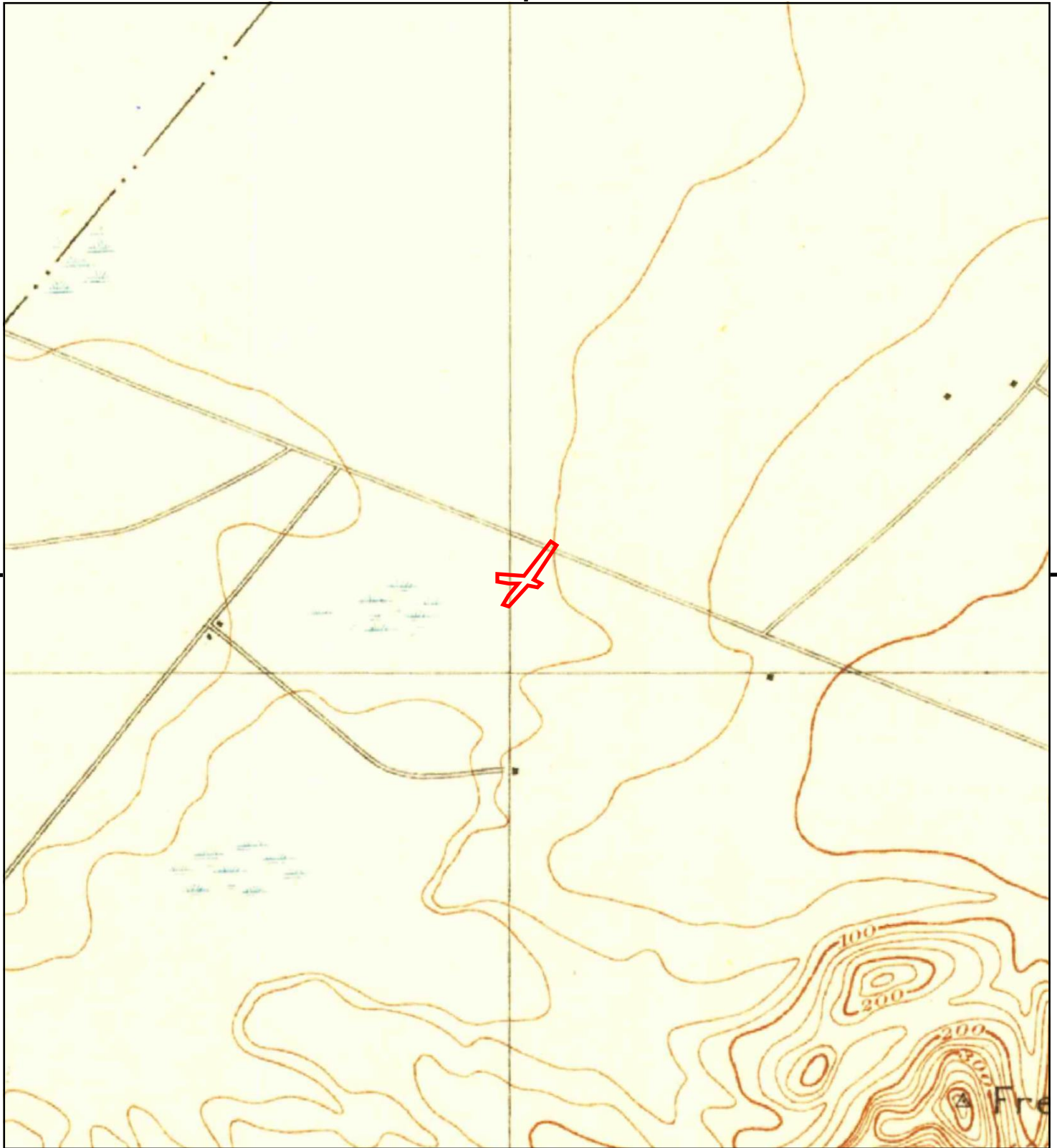
This report includes information from the following map sheet(s).



TP, Corona, 1902, 30-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





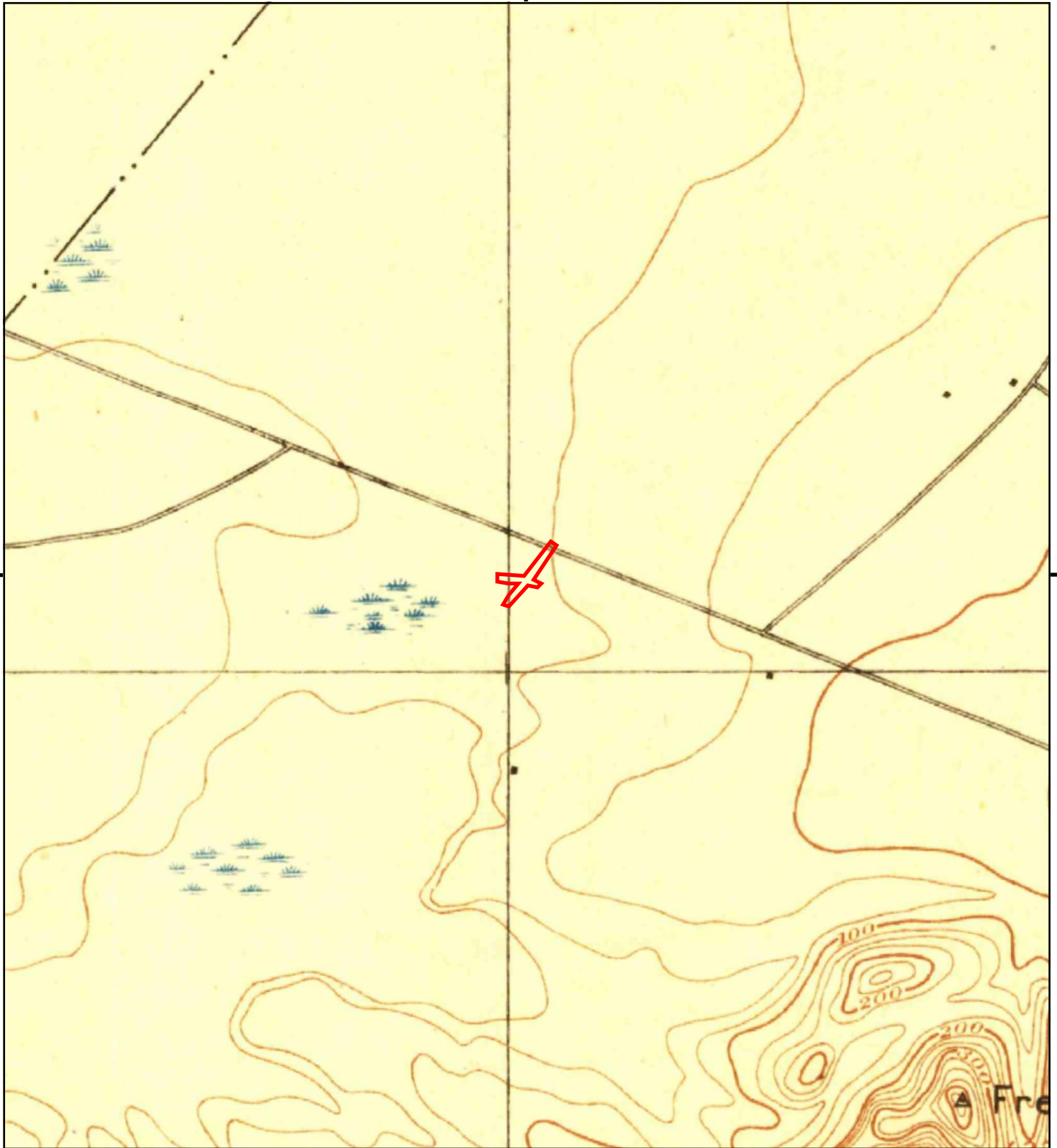
This report includes information from the following map sheet(s).



TP, Santa Ana, 1901, 15-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec





This report includes information from the following map sheet(s).



TP, Santa Ana, 1896, 15-minute

SITE NAME: Harvard Avenue and Michelson Drive
 ADDRESS: Harvard Avenue and Michelson Drive
 Irvine, CA 92612
 CLIENT: Stantec



National Flood Hazard Layer FIRMette



33°40'25.26"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

USGS The National Map: Orthoimagery. Data refreshed April, 2019.

33°39'55.31"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee, See Notes, Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/22/2019 at 2:23:54 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

117°49'39.31"W

INITIAL SITE ASSESSMENT REPORT

Appendix C
AGENCY RECORDS
December 17, 2019

Appendix C AGENCY RECORDS

COMMERCIAL BUILDING PERMIT

155104 SBPF

Safety Division
Community Development Dept.
One Civic Center Plaza
PO Box 19575 Irvine, CA 92623-9575
For Permit Info: 724-6300 For Inspections: 724-6500



LICENSED CONTRACTORS DECLARATION
 I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 700C, of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class **B** Lic No **668888**
 Date **7-17-97** Contractor **UNITED PACIFIC CONSTRUCTION INC.**

OWNER-BUILDER DECLARATION
 I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason
 I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project
 I am exempt under Sec **B&PC** for this Reason
 Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION
 I hereby affirm under penalty of perjury one of the following declarations
 I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
 I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are: **Real Blue Insurance Co.**
 Carrier **812309**
 Policy # **812309**
 I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.
 Date **7-17-97** Applicant **UNITED PACIFIC CONSTRUCTION INC.**

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE INTEREST, AND ATTORNEY'S FEES

CONSTRUCTION LENDING AGENCY
 I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)
 Lender's Name _____
 Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent **[Signature]** Date **7-17-97**
 Print Applicant's/Agent's Name **John A. Fyfe**

ADDRESS: **3400 MICHELSON DR**
 LOCATION:
 TRACT LOT APN PLANNING AREA

OWNER: **AAA ADVENTURES**
 ADDRESS: **3415 MICHELSON DR #26**
 CITY, ST ZIP: **IRVINE, CA 92615**
 PHONE: **262-0907**

APPLICANT: **BUNDY-FINKEL ARCHITECT**
 ADDRESS: **20331 IRVINE AVE #7**
 CITY, ST ZIP: **SANTA ANA, CA 92707**
 CONTACT: **TIM BUNDY**
 PHONE:

CONTRACTOR: **UNITED PACIFIC CONSTRUCTION, INC.**
 ADDRESS: **505 N. TUSTIN AVE.**
 CITY, ST ZIP: **SANTA ANA CA 92705**
 CONTR LIC EXP: **04/30/99**
 IRV BUS LIC: **35513** EXP DATE: **06/30/98**
PROFESSIONAL

DESCRIPTION OF WORK
FOUNDATION FOR ICE RINK

PROPOSED USE:

TOT SQFT: **38,077** STORIES: NO. UNITS:
 CODE YR: **94** CONST. TYPE: **III-1-S**
 VALUATION: **2,033,311.80**
 OCC TYPE: **A2.1** SQ FT: **30766**
B **7311**

PLANNING APPROVAL **CIVIC SOLUTIONS** **07/16/97**
 PLN CK APPROVAL: **DORMANESH, TONY** **07/16/97**

PERMIT ISSUED BY: **ALLEN, SANDY** **07/17/97**
PROJECT 34401
PLAN CHECK 28280-CC
BUILDING PERMIT 155104-SBPF

REMARKS:

SUMMARY OF FEES RECEIPT #152966

NEW COM IMPV 10-60K INSP.	14427	3,942.90	SYSTEMS DEVELOPMENT CHARGE	3311.80	20,333.12
NEW COM UNIMP 10K/60 INSP	23650	2,954.35	MICROFILM	6	4.50
AUTOMATION FEE	6897.25	344.90	SLURRY SEAL FEE < 50K SF	38077	1,142.31
NEW COM IMPV. 10-60K PC	14427	4,253.45	LESS ADV PLAN CHECK FEES	1	-7,068.89
NEW COM UNIMP 10K/60 PC	23650	2,815.44	LESS ADV PLAN CHECK FEES	1	-353.45
AUTOMATION FEE	7068.89	353.45	LESS ADV PLAN CHECK FEES	1	-458.25
ENERGY/DISABLED ENFORCE INSP	38077	645.00			
ENERGY/DISABLED ENFORCE PC	38077	419.25			
STATE SEISMIC FEE > 3 STORIES	3311.80	427.01			
PERMIT ISSUANCE FEE	1	35.00			
TOTAL FEES: 29,790.09					

PERMIT EXPIRATION: Permit becomes null & void if work is not started in _____ days or if work is suspended for 180 days or more. Residential permit expiration: addition - 18 months, all others 6 months from date of permit.

OFFICE

NOTICE:

Pursuant to Assembly Bill 3020, no excavation permit is valid unless the following is performed:
 1. UNDERGROUND SERVICE ALERT has been contacted and has provided inquiry I.D. Number
 2. The applicant agrees to contact and obtain an inquiry I.D. Number from UNDERGROUND SERVICE ALERT (1-800-422-4133) at least 2 working days prior to commencing excavation.

CONSTRUCTION WORKING HOURS

Weekdays: **7 AM - 7 PM**
 Saturdays: **9 AM - 6 PM**
 Sundays/Holidays: **PROHIBITED**

POOR QUALITY DOCUMENT

CERTIFICATION OF COMPLETION

I certify that under date 12/11/97 that I made a final inspection of all work under the following permit type and from this inspection it appears that the Building Facility is now ready for occupancy. By [Signature] Date 12/11/97

INDIVIDUAL APPROVAL

Plumbing By _____	Date _____
Mechanical By _____	Date _____
Electrical By _____	Date _____
Fire Sprinkler By _____	Date _____
Swimming Pool By _____	Date _____
Building By _____	Date _____
Grading By _____	Date _____
Encroachment By _____	Date _____
Landscaping By _____	Date _____
Construction Permit By _____	Date _____
OTHER _____ By _____	Date _____

UTILITY RELEASES

Electrical By _____	Date _____
Gas By _____	Date _____

BOND RELEASE

Bond Release By _____	Date _____
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COMMERCIAL BUILDING PERMIT 122104 388

101W PERM 21000 05

COMMERCIAL BUILDING PERMIT

155924 SBP

City of Irvine
Building & Safety Division
Community Development Dept.
One Civic Center Plaza
PO Box 19575 Irvine, CA 92623-9575
For Permit Info: 724-6300 For Inspections: 724-6500



ADDRESS: 3400 MICHELSON DR
LOCATION:
TRACT LOT APN PLANNING AREA

DESCRIPTION OF WORK
STRUCTURAL ONLY-ICE RINK

PROPOSED USE:

TOT SQFT: STORIES: NO. UNITS:
CODE YR: 94 CONST. TYPE: III-1-S
VALUATION:
OCC TYPE: SQ FT:

PLANNING APPROVAL CIVIC SOLUTIONS 07/16/97
PLN CK APPROVAL: DORMANESH, TONY 08/15/97

PERMIT ISSUED BY: ALLEN, SANDY 08/18/97
PROJECT 34401
PLAN CHECK 28280-CC
BUILDING PERMIT 155104-SBP

REMARKS:
ISSUED STRUCTURAL ONLY

LICENSED CONTRACTORS DECLARATION
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class B Lic No 668888
Date 8-18-97 Contractor UNITED PACIFIC CONSTRUCTION, INC.

OWNER-BUILDER DECLARATION
I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason:
I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale
I, as owner of the property, am exclusively contracting with licensed contractors to construct the project
I am exempt under Sec B&PC, for this Reason
Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION
I hereby affirm under penalty of perjury one of the following declarations:
I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are: REPUBLIC INDEMNITY CO. A.
Carrier 8123-09
Policy #
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant _____
WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES

CONSTRUCTION LENDING AGENCY
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)
Lender's Name _____
Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent [Signature] Date 8-18-97
Print Applicant's/Agent's Name A. FURFE

OWNER: AAA ADVENTURES
ADDRESS: 3415 MICHELSON DR #26
CITY, ST ZIP: IRVINE, CA 92615
PHONE: 262-0907

APPLICANT: BUNDY-FINKEL ARCHITECT
ADDRESS: 20331 IRVINE AVE #7
CITY, ST ZIP: SANTA ANA, CA 92707
CONTACT: TIM BUNDY
PHONE:

CONTRACTOR: UNITED PACIFIC CONSTRUCTION, INC.
ADDRESS: 505 N. TUSTIN AVE.
CITY, ST ZIP: SANTA ANA CA 92705
CONTR LIC EXP: 04/30/99
IRV BUS LIC: 35513 EXP DATE: 06/30/98
PROFESSIONAL

SUMMARY OF FEES RECEIPT #: 152816

PERMIT ISSUANCE FEE 1 35.00
MICROFILM 21 15.75

TOTAL FEES: 50.75

PERMIT EXPIRATION: Permit becomes null & void if work is not started in _____ days or if work is suspended for 180 days or more. Residential permit expiration: addition - 18 months, all others 6 months from date of permit.

OFFICE

CONSTRUCTION WORKING HOURS
Weekdays: 7 AM - 7 PM
Saturdays: 9 AM - 6 PM
Sundays/Holidays: PROHIBITED

NOTICE:
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1. UNDERGROUND SERVICE ALERT has been contacted and has provided inquiry I.D. Number
2. The applicant agrees to contact and obtain an inquiry I.D. Number from UNDERGROUND SERVICE ALERT (1-800-422-4133) at least 2 working days prior to commencing excavation.

POOR QUALITY DOCUMENT

OPERATION OF COMPLIANCE

12/11/97
 I hereby certify that the
 information furnished on this
 form is true and correct to the
 best of my knowledge and belief.

[Signature]

12/11/97

APPROVAL

By _____

By _____

By _____

By _____

By _____

By _____

By _____

By _____

By _____

By _____

OTHER _____ By _____

UTILITY RELEASES

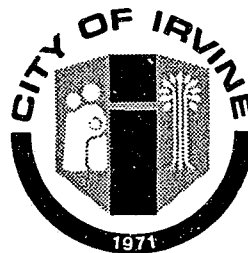
Electrical By _____

Gas By _____

BOND RELEASE

Bond Release By _____

CERTIFICATE OF USE AND OCCUPANCY



THIS CERTIFICATE ISSUED PURSUANT TO THE REQUIREMENTS OF SECTION 109 OF THE UNIFORM BUILDING CODE ATTESTS THAT AT THE TIME OF ISSUANCE THIS STRUCTURE WAS IN COMPLIANCE WITH THE VARIOUS ORDINANCES OF THE CITY OF IRVINE REGULATING BUILDING CONSTRUCTION OR USE.

USE: Ice Rink
38,077 Sq. Ft.

Group A2.1/B Type III-1-S No. of Stories _____ Permit No. 155924 Lot _____ Tract _____

Building Owner: AAA Adventures

Building Address: ~~9415 Michelson Drive #26, Irvine, CA 92615~~ (3400 Michelson)

Building Official Eric M. Tolles, C.B.O. By Eric M. Tolles

Date 10/15/01

POST IN A CONSPICUOUS PLACE
MUST NOT BE REMOVED
UNLESS APPROVED BY THE
CITY BUILDING OFFICIAL

Permit number	Permit type code	Permit type name	Permit description	Permit Address	Customer Last Name	Application date	Issue date	Approval state
00000001-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	COMMERCIAL T.I.	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	9/22/1997		canceled
00029960-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	UNDERGROUND ELECTRIC/PLUMBING	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/17/1997		approved
00030862-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	COMMERCIAL T.I.	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	9/22/1997		pending
00031357-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	UNDERGROUND PIPING	3400 MICHELSON DR	ASSOCIATED FIRE PROTECTION	10/23/1997		pending
00034518-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	INSTALL 4 SWITCHES	3400 MICHELSON DR	AAA ADVENTURES	6/24/1998		approved
00305598-TMPL	tmpl	Template Type	FENCING & WALLS	3400 MICHELSON DR	CARTER & BURGESS INC	11/15/2001		pending
00305599-TMPL	tmpl	Template Type	SYNAGOGUE TI w/ Added Foyer	3400 MICHELSON DR	CARTER & BURGESS INC	11/15/2001		pending
00354392-TMPL	tmpl	Template Type	REVISION#1 CHANGED STORAGE TO RESTROOMS	3400 MICHELSON DR	CARTER & BURGESS INC	12/16/2003		pending
00354579-TMPL	tmpl	Template Type	NON ILLUM TEMPORARY PLYWOOD GROUND SIGN	3400 MICHELSON DR	C W DRIVER INCORPORATED	12/18/2003		pending
00368469-ELC	elc	Engineering Landscape PC	LANDSCAPE FOR EXISTING SITE	3400 MICHELSON DR	C W DRIVER INCORPORATED	7/8/2004		approved
00368470-TMPO	tmpl	Engineering Template	LANDSCAPE FOR EXISTING SITE	3400 MICHELSON DR	C W DRIVER INCORPORATED	7/8/2004		pending
00370473-TMPL	tmpl	Template Type	REV #2 - REVISED SITE PLAN	3400 MICHELSON DR	CARTER & BURGESS INC	8/3/2004		pending
00371456-TMPL	tmpl	Template Type	REV #2 - ADDL PLAN CHECK HRS	3400 MICHELSON DR	CARTER & BURGESS INC	8/16/2004		pending
00374134-TMPL	tmpl	Template Type	TEMPORARY OCCUPANCY	3400 MICHELSON DR	CW DRIVER CONTRACTORS	9/22/2004		pending
00376989-TMPL	tmpl	Template Type	FEES FOR TEMPORARY OCCUPANCY RENEWAL	3400 MICHELSON DR	CW DRIVER CONTRACTORS	11/1/2004		pending
00400919-TMPL	tmpl	Template Type	1 NON ILLUMINATED WALL SIGN 2 DIRECTIONAL SIGNS Tenant: University Synagogue	3400 MICHELSON DR	ARCHITECTURAL DESIGN AND SIGNS	9/12/2005		pending
00455573-TMPL	tmpl	Template Type	INSTALL ACOUSTICAL CEILING AND FLOURESCENT LIGHTING Tenant: University Synagogue	3400 MICHELSON DR	THE MCDONALD COMPANY	9/18/2007		pending
00473703-TMPL	tmpl	Template Type	CLASSROOM TI - ADD BATHROOMS TO 3 CLASSROOMS. ADD EXIT	3400 MICHELSON DR	AZIZI ARCHITECTS	8/4/2008		pending
00474419-TMPL	tmpl	Template Type	NEW ELECTRICAL & PLUMBING. MECHANICAL FOR HVAC	3400 MICHELSON DR	JAMES PRINCE CONSTRUCTION	8/19/2008		pending
00534194-TMPL	tmpl	Template Type	ADD RAMP TO SIDEWALK UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	WALKER	11/3/2011		pending

00560288-TMPL	tmpl	Template Type	STRENGTHEN FOUNDATION ALONG NORTHWEST SIDE OF BUILDING Tenant: University Synagogue	3400 MICHELSON DR	FICCADENTI WAGGONER & CASTLE	12/12/2012		pending
00566104-TMPL	tmpl	Template Type	REMOVE (6) PINUS CANARIENSIS (CANARY ISLAND PINE) AND REPLACE WITH CERCIS	3400 MICHELSON DR	RCB AND SONS INC	2/28/2013		pending
00576974-TMPL	tmpl	Template Type	REPLACE DAMAGED GASLINE. DUE TO FOUNDATION REPAIR	3400 MICHELSON DR	CLIFF ISHII	7/9/2013		pending
00579422-TMPL	tmpl	Template Type	REVISION 1 RELOCATE EXISTING 4" WASTE OUT OF STRUCTURAL REMODEL AND ADD	3400 MICHELSON DR	CLIFF ISHII	8/1/2013		pending
00590364-TMPL	tmpl	Template Type	REV #1. REPLACE LOST FIELD SET OF PLANS	3400 MICHELSON DR	FICCADENTI WAGGONER & CASTLE	11/19/2013		pending
00590365-TMPL	tmpl	Template Type	REV #2. Revised to clarify connection between (N) grade beam at (E) strip	3400 MICHELSON DR	FICCADENTI WAGGONER & CASTLE	11/19/2013		pending
00590599-TMPL	tmpl	Template Type	REVISION 1 ADDITIONAL FEES	3400 MICHELSON DR	FICCADENTI WAGGONER & CASTLE	11/21/2013		pending
00592013-TMPL	tmpl	Template Type	REVISION #1 REVISED GRID LINE 10	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	12/4/2013		pending
00592438-TMPL	tmpl	Template Type	REV 3, Additional P/C fees	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	12/6/2013		pending
00606575-TMPL	tmpl	Template Type	OFFICE/SANCTUARY TI Tenant: UNIVERSITY SYNAGOGUE (NO M.E.P.; WILL BE SUBMITTED AT	3400 MICHELSON DR	AZIZI ARCHITECTS	5/30/2014		pending
00609950-TMPL	tmpl	Template Type	OFFICE/SANCTUARY TI Tenant: UNIVERSITY SYNAGOGUE SUBMITTED E,M,P LATER	3400 MICHELSON DR	AZIZI ARCHITECTS	7/7/2014		pending
00644322-TMPL	tmpl	Template Type	REV.1 CHANGED SPECIFIED HEAT PUMP UNIT AND REQUIRED CHANGES TO T-	3400 MICHELSON DR	C & S PROFESSIONAL SERVICES	7/30/2015		pending
00677795-TMPL	tmpl	Template Type	8FT FENCE FOR PRE-SCHOOL TENANT: UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	ORANGE COAST FENCE CO	7/12/2016		pending
00684004-TMPL	tmpl	Template Type	REV 2, Removal of elevator from scope of work	3400 MICHELSON DR	AZIZI ARCHITECTS	9/6/2016		pending
00684090-TMPL	tmpl	Template Type	REV.3 FLOOR FRAMING STRENGTHENING	3400 MICHELSON DR	B & M CONSTRUCTION INC	9/7/2016		pending
00686775-TMPL	tmpl	Template Type	rev 2 addl plan check fees	3400 MICHELSON DR	AZIZI ARCHITECTS	10/2/2016		pending
00687396-TMPL	tmpl	Template Type	REV 3 addl plan check fees	3400 MICHELSON DR	B & M CONSTRUCTION INC	10/6/2016		pending
00748061-TMPL	tmpl	Template Type	PARKING LOT MOD * PRE-CON MEETING WITH INSPECTOR REQUIRED BEFORE	3400 MICHELSON DR	ADAMS-STREETER	5/16/2018		pending

00780154-TMPL	tmpl	Template Type	SCHOOL TI. CONVERT 2ND FLOOR SHELL SPACE TO SCHOOL (GRADES 3-8). TENANT: THE CHILDREN'S	3400 MICHELSON DR	SPECTRUM SPACE DESIGN	3/25/2019		pending
00795406-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	8FT HIGH CHAIN LINK FENCE SURROUNDING SCHOOL. TENANT:	3400 MICHELSON DR	KMP CONSTRUCTION	8/8/2019		pending
00795408-TMPL	tmpl	Template Type	8FT HIGH CHAIN LINK FENCE SURROUNDING SCHOOL. TENANT:	3400 MICHELSON DR	KMP CONSTRUCTION	8/8/2019		pending
00797648-TMPL	tmpl	Template Type	REV 1 REVISION TO PARTIAL FLOOR FRAMING	3400 MICHELSON DR	KMP CONSTRUCTION	8/29/2019		pending
00797649-TMPL	tmpl	Template Type	REV 2 REVISION TO ELEVATOR & DOG HOUSE	3400 MICHELSON DR	KMP CONSTRUCTION	8/29/2019		pending
00798427-CTIS	ctis	Commercial TI PC w/ Structure/in IBC - 10,5,5,5	STRUCTURAL CLASSROOM TI'S WITH NEW EGRESS BALCONY AND STAIRS.	3400 MICHELSON DR	ADAY ARCHITECTS	9/9/2019		pending
00798428-TMPL	tmpl	Template Type	STRUCTURAL CLASSROOM TI'S WITH NEW EGRESS BALCONY AND STAIRS.	3400 MICHELSON DR	ADAY ARCHITECTS	9/9/2019		pending
00798429-WMPB	wmpb	Bond for Waste Management Plan	STRUCTURAL CLASSROOM TI'S WITH NEW EGRESS BALCONY AND STAIRS.	3400 MICHELSON DR	ADAY ARCHITECTS	9/9/2019		pending
00028440-OLDEP	oldep	non standard encroachment plan check	EXCAVATE TO INSTALL WATER & SEWER LATERALS	3400 MICHELSON DR	AAA ADVENTURES	3/28/1997	3/28/1997	final
00027934-GP	gp	Precise Grading Permit	PRECISE GRADE	3400 MICHELSON DR	RMB & ASSOCIATES	4/22/1997	4/22/1997	final
00027934-GPRE	gpre	Grading Precise PC - 15,10,10,10	PRECISE GRADING	3400 MICHELSON DR	RMB & ASSOCIATES	2/14/1997	4/22/1997	final
00029761-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	YARD SEWER	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/2/1997	7/2/1997	final
00154772-PBP	pbp	Plumbing Alteration/Addition Permit	YARD SEWER	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/2/1997	7/2/1997	final
00154949-EBP	ebp	Electrical Alteration/Addition Permit	TEMP POWER WITH SUB POLES	3400 .5 MICHELSON DR	LINDA STRATZ PERMIT SERVICE	7/10/1997	7/10/1997	final
00155104-SBPF	sbpf	Commercial Foundation Permit	FOUNDATION FOR ICE RINK	3400 MICHELSON DR	BUNDY-FINKEL ARCHITECT	7/17/1997	7/17/1997	final
00155105-EBPN	ebpn	Electrical New Construction Permit	UNDERGROUND ELECTRIC/PLUMBING	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/17/1997	7/17/1997	final
00155106-PBPN	pbpn	Plumbing New Construction Permit	UNDERGROUND ELECTRIC/PLUMBING	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/17/1997	7/17/1997	final
00030137-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	CONCRETE LIGHT POLE FOUNDATION	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/31/1997	7/31/1997	final
00155445-MISC	misc	Misc Commercial Permit	FOUNDATION WITH ELECT	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/31/1997	7/31/1997	final
00155446-EBP	ebp	Electrical Alteration/Addition Permit	FOUNDATION WITH ELECT	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION	7/31/1997	7/31/1997	final
00028280-CNEW	cnew	Commercial New Construction PC - 20,10,5,5	NEW ICE RINK	3400 MICHELSON DR	BUNDY-FINKEL ARCHITECT	3/14/1997	8/18/1997	final
00155924-SBP	sbp	New Commercial Permit	STRUCTURAL ONLY-ICE RINK	3400 MICHELSON DR	BUNDY-FINKEL ARCHITECT	8/18/1997	8/18/1997	final

00155961-TR	tr	Tree Removal Permit	TREE REMOVAL PERMIT	3400 MICHELSON DR	UNITED PACIFIC CONSTRUCTION, IN	8/19/1997	8/19/1997	final
00156057-SBP	sbp	New Commercial Permit	ICE RINK	3400 MICHELSON DR	BUNDY-FINKEL ARCHITECT	8/25/1997	8/25/1997	final
00156227-EBPN	ebpn	Electrical New Construction Permit	ICE RINK	3400 MICHELSON DR	BUNDY-FINKEL ARCHITECT	9/4/1997	9/4/1997	final
00030254-CNFS	cnfs	Commercial New Fire Sprinkler PC	NEW FIRE SPRINKLERS	3400 MICHELSON DR	ASSOCIATED FIRE PROTECTION	8/11/1997	9/18/1997	final
00156520-FSI	fsi	Fire Sprinkler Alteration/Addition Permit	FIRE SPRINKLERS	3400 MICHELSON DR	ASSOCIATED FIRE PROTECTION	9/18/1997	9/18/1997	final
00026803-PMPC	pmpp	Master Plan Commercial	MASTER PLAN - ICE SKATING RINK	3400 MICHELSON DR	AAA ADVENTURES INC.	10/31/1996	9/23/1997	final
00030909-OLDEP	oldep	non standard encroachment plan check	INSTALL NEW GAS SERVICE	3400 MICHELSON DR	SOUTHERN CALIFORNIA GAS CO	9/23/1997	9/23/1997	final
00030976-CSP	csp	Commercial Sign PC - 5,3,3	SIGN PERMIT	3400 MICHELSON DR	IRVINE ICE ARENA	9/25/1997	10/15/1997	final
00031320-OLDEP	oldep	non standard encroachment plan check	FIX 4" DUCT FOR NEW SERVICE	3400 MICHELSON DR	SOUTHERN CALIFORNIA EDISON CO.	10/21/1997	10/21/1997	final
00157323-SPI	spi	Sign Permit	2 WALL SIGNS	3400 MICHELSON DR	IRVINE ICE ARENA	10/22/1997	10/22/1997	final
00157324-EBP	ebp	Electrical Alteration/Addition Permit	2 WALL SIGNS	3400 MICHELSON DR	IRVINE ICE ARENA	10/22/1997	10/22/1997	final
00TO3933-TO	to	Temporary Occupancy Permit	TEMP OCC	3400 MICHELSON DR	ZENNI JR	10/28/1997	10/28/1997	final
00TU2277-TU	tu	Temp Utility Permit	TEMP UTILITIES	3400 MICHELSON DR	ZENNI JR	10/28/1997	10/28/1997	final
00030889-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	TI	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	9/22/1997	10/30/1997	final
00157620-SBPT	sbpt	Tenant Improvement Permit	TENANT IMPROVEMENT/RESTAURANT	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	10/30/1997	10/30/1997	final
00157621-PBP	pbp	Plumbing Alteration/Addition Permit	TENANT IMPROVEMENT/RESTAURANT	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	10/30/1997	10/30/1997	final
00157622-EBP	ebp	Electrical Alteration/Addition Permit	TENANT IMPROVEMENT/RESTAURANT	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	10/30/1997	10/30/1997	final
00157623-MBP	mbp	Mechanical Alteration/Addition Permit	TENANT IMPROVEMENT/RESTAURANT	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	10/30/1997	10/30/1997	final
00031447-CNFS	cnfs	Commercial New Fire Sprinkler PC	UNDERGROUND PIPING	3400 MICHELSON DR	IRVINE ICE ARENA	10/29/1997	11/4/1997	final
00157680-PBP	pbp	Plumbing Alteration/Addition Permit	UNDERGROUND LINE	3400 MICHELSON DR	IRVINE ICE ARENA	11/4/1997	11/4/1997	final
00031464-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	WALL FOR MEZZANINE	3400 MICHELSON DR	IRVINE ICE ARENA	10/30/1997	11/7/1997	final
00157768-SBPT	sbpt	Tenant Improvement Permit	WALL FOR MEZZANINE	3400 MICHELSON DR	IRVINE ICE ARENA	11/7/1997	11/7/1997	final

00157028-MBP	mbp	Mechanical Alteration/Addition Permit	COMMERCIAL MECAHNICAL	3400 MICHELSON DR	HORIZON HEATING & AIR CONDITIO	10/8/1997	11/19/1997	final
97SI0496-SI	si	Special Inspection Permit	SPEC INSPECTION	3400 MICHELSON DR	ZENNI JR	11/19/1997	11/19/1997	final
00TO3973-TO	to	Temporary Occupancy Permit	TEMP OCCUPANCY	3400 MICHELSON DR	ZENNI JR	11/25/1997	11/25/1997	final
00156913-PBP	pbp	Plumbing Alteration/Addition Permit	UNDERGROUND PLUMBING	3400 MICHELSON DR	BENNER PLUMBING INC	10/6/1997	12/11/1997	final
00157033-PBP	pbp	Plumbing Alteration/Addition Permit	COMMERCIAL PLUMBING	3400 MICHELSON DR	BENNER PLUMBING INC	10/8/1997	12/11/1997	final
00158101-SBPT	sbpt	Tenant Improvement Permit	DRYWALL NON BEARING/STEEL STUD WALL	3400 MICHELSON DR	IRVINE ICE ARENA	11/24/1997	12/11/1997	final
00030909-EP	ep	Encroachment Permit	INSTALL NEW GAS SERVICE	3400 MICHELSON DR	SOUTHERN CALIFORNIA GAS CO	9/23/1997	12/12/1997	final
00031369-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	BLEACHERS AND OFFICES	3400 MICHELSON DR	AAA ADVENTURES	10/23/1997	12/31/1997	final
00158941-SBPT	sbpt	Tenant Improvement Permit	BLEACHERS AND OFFICES	3400 MICHELSON DR	AAA ADVENTURES	12/31/1997	12/31/1997	final
00TO4024-TO	to	Temporary Occupancy Permit	TEMP OCCUPANCY	3400 MICHELSON DR	ZENNI JR	1/26/1998	1/26/1998	final
00030479-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	MECHANICAL REFRIG FOR ICE RINK	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	8/25/1997	1/28/1998	final
00159530-EBP	ebp	Electrical Alteration/Addition Permit	ELECTRICAL/MECHANICAL FOR ICE RINK	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	1/28/1998	1/28/1998	final
00159531-MBP	mbp	Mechanical Alteration/Addition Permit	ELECTRICAL/MECHANICAL FOR ICE RINK	3400 MICHELSON DR	BUNDY FINKEL ARCHITECTS	1/28/1998	1/28/1998	final
00TO4044-TO	to	Temporary Occupancy Permit	TEMP OCCUPANCY	3400 MICHELSON DR	ZENNI JR	3/3/1998	3/3/1998	final
00032609-CNFS	cnfs	Commercial New Fire Sprinkler PC	FIRE SPRINKLERS	3400 MICHELSON DR	AAA ADVENTURES	2/5/1998	3/4/1998	final
00033095-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	TI	3400 MICHELSON DR	IRVINE ICE ARENA	3/17/1998	3/27/1998	final
00160648-SBPT	sbpt	Tenant Improvement Permit	TENANT IMPROVEMENT	3400 MICHELSON DR	IRVINE ICE ARENA	3/27/1998	3/27/1998	final
00TO4095-TO	to	Temporary Occupancy Permit	TEMP OCC	3400 MICHELSON DR	ZENNI JR	6/1/1998	6/1/1998	final
00162881-EBP	ebp	Electrical Alteration/Addition Permit	TI ELECTRIC	3400 MICHELSON DR	AAA ADVENTURES	6/24/1998	6/24/1998	final
00031320-EP	ep	Encroachment Permit	FIX 4" DUCT FOR NEW SERVICE	3400 MICHELSON DR	SOUTHERN CALIFORNIA EDISON CO.	10/21/1997	9/21/1998	final
00036670-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	T.I./RETAIL	3400 MICHELSON DR	CHRIS MORTON	11/25/1998	1/11/1999	final
00167854-SBPT	sbpt	Tenant Improvement Permit	T.I./OFFICE	3400 MICHELSON DR	CHRIS MORTON	1/11/1999	1/11/1999	final

00167855-EBP	ebp	Electrical Alteration/Addition Permit	T.I./OFFICE	3400 MICHELSON DR	CHRIS MORTON	1/11/1999	1/11/1999	final
00036722-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	COMM ELECT	3400 MICHELSON DR	CALICO BUILDING SERVICES, INC.	12/2/1998	1/28/1999	final
00168257-EBP	ebp	Electrical Alteration/Addition Permit	AREA HEATER	3400 MICHELSON DR	CALICO BUILDING SERVICES, INC.	1/28/1999	1/28/1999	final
00166859-PBP	pbp	Plumbing Alteration/Addition Permit	PLUMBING	3400 MICHELSON DR	CH STONE PLUMBING CO	11/16/1998	2/23/1999	final
00028440-EP	ep	Encroachment Permit	INSTALL WATER & SEWER LINE	3400 MICHELSON DR	AAA ADVENTURES	3/28/1997	2/24/1999	final
00040761-PETC	petc	Model Homes/Push Carts/Sidewalk Vending	FILM PERMIT - INTERIOR AT ICE ARENA	3400 MICHELSON DR	ATHERTON AND ASSOCIATES	9/15/1999	10/8/1999	final
00049009-CSP	csp	Commercial Sign PC - 5,3,3	WOOD PANEL/POST SIGN	3400 MICHELSON DR	UNIVERSITY SYNAGOUGE	2/21/2001	2/21/2001	final
00188932-SPI	spi	Sign Permit	WOOD SIGN	3400 MICHELSON DR	UNIVERSITY SYNAGOUGE	2/21/2001	2/21/2001	final
00050890-PMPC	pmpc	Master Plan Commercial	UNIVERSITY SYNAGOGUE MP MODIFICATION	3400 MICHELSON DR	HOGLE-IRELAND, INC.	7/10/2001	12/10/2001	final
00305597-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	TI and Added Square Footage on 1st and 2nd floors	3400 MICHELSON DR	CARTER & BURGESS INC	11/15/2001	12/5/2002	final
00313757-EBP	ebp	Electrical Alteration/Addition Permit	TI and Added Square Footage PERMIT EXTENDED TO 12.1.03-SA	3400 MICHELSON DR	CARTER & BURGESS INC	4/15/2002	12/5/2002	final
00313758-MBP	mbp	Mechanical Alteration/Addition Permit	TI and Added Square Footage PERMIT EXTENDED TO 12.1.03-SA	3400 MICHELSON DR	CARTER & BURGESS INC	4/15/2002	12/5/2002	final
00313759-PBP	pbp	Plumbing Alteration/Addition Permit	TI and Added Square Footage PERMIT EXTENDED TO 12.1.03-SA	3400 MICHELSON DR	CARTER & BURGESS INC	4/15/2002	12/5/2002	final
00313760-SBPT	sbpt	Tenant Improvement Permit	1ST FLR TENANT IMPROVEMENT AND 2ND FLOOR ADDITION	3400 MICHELSON DR	CARTER & BURGESS INC	4/15/2002	12/5/2002	final
00313825-MISC	misc	Misc Commercial Permit	Exterior wall/fence PERMIT EXTENDED TO 12.1.03-SA	3400 MICHELSON DR	CARTER & BURGESS INC	4/16/2002	12/5/2002	final
00354400-EBP	ebp	Electrical Alteration/Addition Permit	TEMP ELECTRICAL SERVICE TO JOB TRAILER	3400 .75 MICHELSON DR	C W DRIVER INCORPORATED	12/17/2003	12/17/2003	final
00354578-CSP	csp	Commercial Sign PC - 5,3,3	NON ILLUM TEMPORARY PLYWOOD GROUND SIGN	3400 MICHELSON DR	C W DRIVER INCORPORATED	12/18/2003	12/18/2003	final
00354595-SPI	spi	Sign Permit	NON ILLUM TEMPORARY PLYWOOD GROUND SIGN	3400 MICHELSON DR	C W DRIVER INCORPORATED	12/18/2003	12/18/2003	final
00362864-FSI	fsi	Fire Sprinkler Alteration/Addition Permit	FIRE SPRINKLERS - 179 HEADS	3400 MICHELSON DR	METRO FIRE PROTECTION	4/21/2004	4/21/2004	final
00364613-FSI	fsi	Fire Sprinkler Alteration/Addition Permit	UNDERGROUND FIRE PIPING	3400 MICHELSON DR	C W DRIVER INCORPORATED	5/14/2004	5/14/2004	final
00370007-LCE	lce	Landscape Eng Permit	LANDSCAPE FOR EXISTING SITE	3400 MICHELSON DR	C W DRIVER INCORPORATED	7/27/2004	8/18/2004	final
00371682-TO	to	Temporary Occupancy Permit	TEMPORARY OCCUPANCY	3400 MICHELSON DR	CW DRIVER CONTRACTORS	8/19/2004	8/19/2004	final

00388088-PTB	ptb	Temporary Banner	temp. banner to read, "Rummage Sale Sunday 6/5 8:00 a.m. -3:00 p.m.	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	4/19/2005	4/19/2005	final
00400918-CSP	csp	Commercial Sign PC - 5,3,3	1 NON ILLUMINATED WALL SIGN 2 DIRECTIONAL SIGNS Tenant: University Synagogue	3400 MICHELSON DR	ARCHITECTURAL DESIGN AND SIGNS	9/12/2005	10/11/2005	final
00403588-SPI	spi	Sign Permit	1 NON ILLUMINATED WALL SIGN - 2 DIRECTIONAL SIGNS Tenant: University Synagogue	3400 MICHELSON DR	ARCHITECTURAL DESIGN AND SIGNS	10/11/2005	10/11/2005	canceled
00446684-PTB	ptb	Temporary Banner	temp banner University Synagogue Pre School	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	5/22/2007	5/22/2007	final
00455572-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	INSTALL ACOUSTICAL CEILING AND FLOURESCENT LIGHTING Tenant: University Synagogue	3400 MICHELSON DR	THE MCDONALD COMPANY	9/18/2007	12/19/2007	final
00459640-EBP	ebp	Electrical Alteration/Addition Permit	INSTALL FLOURESCENT LIGHTING Tenant: University Synagogue	3400 MICHELSON DR	THE MCDONALD COMPANY	11/27/2007	12/19/2007	final
00459641-SBPT	sbpt	Tenant Improvement Permit	INSTALL ACOUSTICAL CEILING Tenant: University Synagogue	3400 MICHELSON DR	THE MCDONALD COMPANY	11/27/2007	12/19/2007	final
00472595-PTB	ptb	Temporary Banner	Temp Banner- "University Synagogue Pre-School- Now accepting enrollment	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	7/15/2008	7/15/2008	final
00473714-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	CLASSROOM TI - ADD BATHROOMS TO 3 CLASSROOMS. ADD EXIT DOORS TO CLASSROOMS.SCOPE OF	3400 MICHELSON DR	AZIZI ARCHITECTS	8/5/2008	8/19/2008	final
00474253-SBPT	sbpt	Tenant Improvement Permit	CLASSROOM TI - ADD EXIT DOORS TO CLASSROOMS. RELOCATE	3400 MICHELSON DR	AZIZI ARCHITECTS	8/15/2008	8/19/2008	final
00474417-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	NEW ELECTRICAL & PLUMBING. MECHANICAL FOR HVAC	3400 MICHELSON DR	JAMES PRINCE CONSTRUCTION	8/19/2008	8/20/2008	final
00474500-EBP	ebp	Electrical Alteration/Addition Permit	NEW ELECTRICAL & PLUMBING. MECHANICAL FOR HVAC	3400 MICHELSON DR	JAMES PRINCE CONSTRUCTION	8/20/2008	8/20/2008	final
00474501-MBP	mbp	Mechanical Alteration/Addition Permit	NEW ELECTRICAL & PLUMBING. MECHANICAL FOR HVAC	3400 MICHELSON DR	JAMES PRINCE CONSTRUCTION	8/20/2008	8/20/2008	final
00474502-PBP	pbp	Plumbing Alteration/Addition Permit	NEW ELECTRICAL & PLUMBING. MECHANICAL FOR HVAC	3400 MICHELSON DR	JAMES PRINCE CONSTRUCTION	8/20/2008	8/20/2008	final
00471732-PCPM	pcpm	Conditional Use Permit Minor	Minor mod to CUP for Univeristy Synagogue. Mod to Pre-School area to	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	6/30/2008	8/25/2008	final
00452449-PCPM	pcpm	Conditional Use Permit Minor	child care at an existing synagogue with administrative relief for shared parking	3400 MICHELSON DR	SOUTH COAST RECONSTRUCTIONIST	8/6/2007	8/28/2008	final
00504702-EP	ep	Encroachment Permit	Excavate 4x 5' asphalt cut on Michelson in order to abandon gas service stub that was damged by contractor installing	3400 MICHELSON DR	SOUTHERN CALIFORNIA GAS CO	7/2/2010	7/2/2010	final
00506198-EP	ep	Encroachment Permit	Repair gas service due to third party damage. Std conditions apply. (1) 5'6"x4'2" asphalt cut. Traffic control per	3400 MICHELSON DR	SOUTHERN CALIFORNIA GAS CO	7/29/2010	7/29/2010	final
00534512-PTB	ptb	Temporary Banner	Temporary Banner	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	11/9/2011	11/9/2011	final

00534193-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	ADD RAMP TO SIDEWALK UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	WALKER	11/3/2011	11/23/2011	final
00534765-MISC	misc	Misc Commercial Permit	ADD RAMP TO SIDEWALK UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	WALKER	11/15/2011	11/23/2011	issued
00560685-CTIS	ctis	Commercial TI PC w/ Structure/in IBC - 10,5,5,5	STRENGTHEN FOUNDATION ALONG NORTHWEST SIDE OF BUILDING Tenant: University Synagogue	3400 MICHELSON DR	FICCADENTI WAGGONER & CASTLE	12/17/2012	2/13/2013	final
00562436-MISC	misc	Misc Commercial Permit	STRENGTHEN FOUNDATION ALONG NORTHWEST SIDE OF BUILDING Tenant: University Synagogue	3400 MICHELSON DR	FICCADENTI WAGGONER & CASTLE	1/15/2013	2/13/2013	final
00566102-PTRC	ptrc	Tree Removal Check (PC)	REMOVE (6) PINUS CANARIENSIS (CANARY ISLAND PINE) AND REPLACE WITH CERCIS	3400 MICHELSON DR	RCB AND SONS INC	2/28/2013	3/6/2013	final
00566443-PTRP	ptrp	Tree Removal Permit	REMOVE (6) PINUS CANARIENSIS (CANARY ISLAND PINE) AND REPLACE WITH CERCIS	3400 MICHELSON DR	RCB AND SONS INC	3/6/2013	3/6/2013	final
00571366-PTB	ptb	Temporary Banner	Temporary Banner - "Big Sunday" University Synagogue	3400 MICHELSON DR	UNIVERSITY SYNAGOGUE	5/3/2013	5/3/2013	final
00577533-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	REPLACE DAMAGED GASLINE. DUE TO FOUNDATION REPAIR	3400 MICHELSON DR	CLIFF ISHII	7/15/2013	7/31/2013	final
00578187-PBP	pbp	Plumbing Alteration/Addition Permit	REPLACE DAMAGED GASLINE. DUE TO FOUNDATION REPAIR	3400 MICHELSON DR	CLIFF ISHII	7/22/2013	7/31/2013	issued
00606574-CTIS	ctis	Commercial TI PC w/ Structure/in IBC - 10,5,5,5	OFFICE/SANCTUARY TI Tenant: UNIVERSITY SYNAGOGUE E,M,P SUBMITTED AT LATER TIME.	3400 MICHELSON DR	AZIZI ARCHITECTS	5/30/2014	8/19/2014	final
00613641-EBP	ebp	Electrical Alteration/Addition Permit	OFFICE/SANCTUARY TI Tenant: UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	AZIZI ARCHITECTS	8/16/2014	8/19/2014	final
00613642-MBP	mbp	Mechanical Alteration/Addition Permit	OFFICE/SANCTUARY TI Tenant: UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	AZIZI ARCHITECTS	8/16/2014	8/19/2014	final
00613643-PBP	pbp	Plumbing Alteration/Addition Permit	OFFICE/SANCTUARY TI Tenant: UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	AZIZI ARCHITECTS	8/16/2014	8/19/2014	final
00613644-SBPT	sbpt	Tenant Improvement Permit	TENANT IMPROVEMENT	3400 MICHELSON DR	AZIZI ARCHITECTS	8/16/2014	8/19/2014	final
00677794-CTIS	ctis	Commercial TI PC w/ Structure/in IBC - 10,5,5,5	8FT FENCE FOR PRE-SCHOOL TENANT: UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	ORANGE COAST FENCE CO	7/12/2016	9/2/2016	final
00683705-MISC	misc	Misc Commercial Permit	8FT FENCE FOR PRE-SCHOOL TENANT: UNIVERSITY SYNAGOGUE	3400 MICHELSON DR	ORANGE COAST FENCE CO	8/31/2016	9/2/2016	final
00748062-WMPB	wmpb	Bond for Waste Management Plan	PARKING LOT MOD * PRE-CON MEETING WITH INSPECTOR REQUIRED BEFORE	3400 MICHELSON DR	ADAMS-STREETER	5/16/2018	6/18/2018	issued

[illegible]

City of Irvine
Building & Safety Division
Community Development Dept.
One Civic Center Plaza
PO Box 19575 Irvine, CA 92623-9575



Misc Commercial Permit

ADDRESS: 3415 MICHELSON DR ROOF TOP
TRACT: 113/8-10 LOT: 1
APN: 45325103 3415.5
PLANNING AREA:

00316879-MISC

DESCRIPTION OF WORK:
Roof Screen and Antennas

CONTRACTOR

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B Lic.No. 759434
Date 6-18-02 Contractor ONAIR COMMUNICATIONS INC

OWNER-BUILDER

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason:

- ☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale.
- ☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project.
- ☐ I am exempt under Sec. _____, B&PC, for this Reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
- ☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance is carrier and policy number are:

Carrier State Fund
Policy # 1542216-02

- ☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 6-18-02 Applicant Gregory L. Helms

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Gregory L. Helms 6-18-02
Signature of Applicant or Agent Date

GREG L. HELMS
Print Applicant's/Agent's Name

OWNER: IRVINE RECREATION PARK

ADDRESS: 1485 N TUSTIN AVE
CITY, ST ZIP: ORANGE CA 92867
PHONE: (714) 997-9901

APPLICANT: CINGULAR WIRELESS

ADDRESS: 2521 MICHELLE
CITY, ST ZIP: TUSTIN CA 92780
CONTACT: Lary Judd
PHONE: (714) 734-7000

CONTRACTOR: ONAIR COMMUNICATIONS INC

ADDRESS: 3100 AIRWAY 130
CITY, ST ZIP: COSTA MESA CA 92626
CONTR LIC EXP: 2/28/2003

IRV BUS LIC: 99042815 EXP DATE: 7/31/2002

VALUATION: \$ 2,137

STORIES: 2

CODE YR: 1998

USE

roof screen
install antennas and equipments

NO. UNITS:

TOT SQFT: 1,795

CONST. TYPE

Roof-1 - Add screening
Miscellaneous

SQ FT

795
1,000

CIP

Misc Insp Com	119.00
State Seismic Com	0.50
Issuance Fee Comm	35.00
Microfilm	10.50
Automation Fee Inspection	5.95

Total Permit Fees: \$170.95

Receipt# 225661

TCA Receipt:

TCA:

PLAN CHECK #: 00315201-CTI

PLANNING APPROVAL: NANCY MOSS 6/3/2002

BUILDING APPROVAL: LI CHEN 6/3/2002

PERMIT ISSUED BY: MARK MESSERSMITH 6/18/2002

PERMIT EXPIRATION: Permit becomes null & void if work is not started in 180 days or if work is suspended for 180 days or more. Residential permit expiration: addition - 18 months, all others 6 months from date of permit.

INSPECTION

NOTICE:

Pursuant to Assembly Bill 3020, no excavation permit is valid unless the following is performed:

1. UNDERGROUND SERVICE ALERT has been contacted and has provided inquiry I.D. Number
2. The applicant agrees to contact and obtain an inquiry I.D. Number from UNDERGROUND SERVICE ALERT

(1-R00-4272-4133) at least 7 working days prior to commencing excavation

CONTRACTOR WORKING HOURS

Weekdays: 7 AM - 7 PM
Saturday: 9 AM - 6 PM
Sunday/Holiday: PROHIBITED

CERTIFICATION OF COMPLETION

I certify that under date 8-6 of 2002 that I made a final inspection of all work under the following permit types and from this inspection it appears that the Building or Facility is now ready for occupancy. By [Signature] Date 8-8-02

INDIVIDUAL APPROVAL

Plumbing By _____	Date _____
Mechanical By _____	Date _____
Electrical By _____	Date _____
Fire Sprinkler By _____	Date _____
Swimming Pool By _____	Date _____
Building By _____	Date _____
Grading By _____	Date _____
Encroachment By _____	Date _____
Landscaping By _____	Date _____
Construction Permit By _____	Date _____
OTHER _____ By _____	Date _____

UTILITY RELEASES

Electrical By _____	Date _____
Gas By _____	Date _____

BOND RELEASE

Bond Released By _____

Date _____

City of Irvine
Building & Safety Division
Community Development Dept.
One Civic Center Plaza
PO Box 19575 Irvine, CA 92623-9575
For Permit Info: (949) 724-6300 For Inspections: (949) 724-6501



Electrical Alteration/Addition Permit

ADDRESS: 4415 MICHELSON DR ROOF TOP
TRACT: 113/8-10 LOT: 1
APN: 45325103 3415.5
PLANNING AREA:

00316881-EBP

DESCRIPTION OF WORK:
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- X Policy # 1542216-02

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Date 8-6-18-02 Applicant Gregory L. Helms

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Signature of Applicant or Agent Date
Gregory L. Helms
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CONTACT: Lary Judd
PHONE: (714) 734-7000

CONTRACTOR: ONAIR COMMUNICATIONS INC

ADDRESS: 3100 AIRWAY 130
CITY, ST ZIP: COSTA MESA CA 92626
CONTR LIC EXP: 2/28/2003
IRV BUS LIC: 99042815 EXP DATE: 7/31/2002

VALUATION: \$ 2,137

STORIES: 2

CODE YR: 1998

NO. UNITS:

TOT SQFT: 1,795

USE

OCC

CONST. TYPE

SQ FT

roof screen

Roof-1 - Add screening

795

install antennas and equipments

Miscellaneous

1,000

Total Permit Fees: \$70.70

Receipt# 225661

TCA Receipt:

TCA:

PLAN CHECK #: 00315201-CTI

PLANNING APPROVAL: NANCY MOSS 6/3/2002

BUILDING APPROVAL: LI CHEN 6/3/2002

PERMIT ISSUED BY: MARK MESSERSMITH 6/18/2002

PERMIT EXPIRATION: Permit becomes null & void if work is not started in 180 days or if work is suspended for 180 days or more. Residential permit expiration: addition - 18 months, all others 6 months from date of permit.

INSPECTION

NOTICE:

Pursuant to Assembly Bill 3020, no excavation permit is valid unless the following is performed:

1. UNDERGROUND SERVICE ALERT has been contacted and has provided inquiry I.D. Number
2. The applicant agrees to contact and obtain an inquiry I.D. Number from UNDERGROUND SERVICE ALERT (1-800-427-4133) at least 2 working days prior to commencing excavation

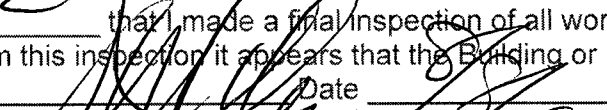
CONTRACTOR WORKING HOURS

Weekdays: 7 AM - 7 PM

Saturday: 9 AM - 6 PM

Sunday/Holiday: PROHIBITED

CERTIFICATION OF COMPLETION

8/8/02
I certify that under date 8/8/02 of that I made a final inspection of all work under the following permit types and from this inspection it appears that the Building or Facility is now ready for occupancy. By  Date 8/8/02

INDIVIDUAL APPROVAL

Plumbing By _____	Date _____
Mechanical By _____	Date _____
Electrical By _____	Date _____
Fire Sprinkler By _____	Date _____
Swimming Pool By _____	Date _____
Building By _____	Date _____
Grading By _____	Date _____
Encroachment By _____	Date _____
Landscaping By _____	Date _____
Construction Permit By _____	Date _____
OTHER _____ By _____	Date _____

UTILITY RELEASES

Electrical By _____	Date _____
Gas By _____	Date _____

BOND RELEASE

Bond Released By _____	Date _____
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Permit number	Permit type code	Permit type name	Permit description	Permit Address	Customer Last Name	Application date	Issue date	Approval state
00315202-TMPL	tmpl	Template Type	Roof Screen and Antennas	3415 .5 MICHELSON DR	CINGULAR WIRELESS	5/9/2002		pending
00734420-TMPL	tmpl	Template Type	MODIFICATION TO WIRELESS FACILITY	3415 .5 MICHELSON DR	JEFFREY ROME & ASSOCIATES	1/9/2018		pending
00757580-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	WIRELESS FACILITY TI TENANT: SPRINT	3415 .5 MICHELSON DR	CROWN CASTLE	8/7/2018		pending
00757583-TMPL	tmpl	Template Type	WIRELESS FACILITY TI TENANT: SPRINT	3415 .5 MICHELSON DR	CROWN CASTLE	8/7/2018		pending
00767960-WFI	wfi	Wireless Facility Permit	WIRELESS FACILITY TI TENANT: SPRINT	3415 .5 MICHELSON DR	CROWN CASTLE	11/14/2018		pending
00788247-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	REMOVE AND REPLACE (9) ANTENNAS UPGRADE GROUND	3415 .5 MICHELSON DR	CROWN CASTLE	6/6/2019		pending
00788248-TMPL	tmpl	Template Type	REMOVE AND REPLACE (9) ANTENNAS UPGRADE GROUND	3415 .5 MICHELSON DR	CROWN CASTLE	6/6/2019		pending
00315201-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	roof screen and install 3 antennas	3415 .5 MICHELSON DR	CINGULAR WIRELESS	5/9/2002	6/18/2002	final
00316879-MISC	misc	Misc Commercial Permit	Roof Screen and Antennas	3415 .5 MICHELSON DR	CINGULAR WIRELESS	6/4/2002	6/18/2002	final
00316881-EBP	ebp	Electrical Alteration/Addition Permit	Roof Screen and Antennas	3415 .5 MICHELSON DR	CINGULAR WIRELESS	6/4/2002	6/18/2002	final
00320452-TU	tu	Temp Utility Permit	TEMPORARY UTILITIES	3415 .5 MICHELSON DR	ONAIR COMMUNICATIONS INC	7/26/2002	7/26/2002	final
00734419-CTI	cti	Commercial Tenant Improvement PC - 5,5,5,5	MODIFICATION TO WIRELESS FACILITY	3415 .5 MICHELSON DR	JEFFREY ROME & ASSOCIATES	1/9/2018	4/9/2018	final
00743291-WFI	wfi	Wireless Facility Permit	MODIFICATION TO EXISTING WIRELESS FACILITY	3415 .5 MICHELSON DR	JEFFREY ROME & ASSOCIATES	4/5/2018	4/9/2018	final

Information Management
Public Records Unit

Direct Dial (909) 396-3700
Fax:(909) 396-3330

COMPLETION LETTER

November 26, 2019

DANNY LAW
STANTEC CONSULTING INC
290 CONEJO RIDGE AVE.
THOUSAND OAKS, CA 91361

Ref.: CONTROL NO. 1399493
Received 11/26/2019

Re: P/O'S, EQL'S, NOV'S, COMPLAINTS, & ASBESTOS RECORDS FOR 3415 1/2
MICHELSON DR, IRVINE, CA.

After a thorough search of this agency's records:

NO REQUESTED RECORDS WERE FOUND FOR THE ABOVE-REFERENCED FACILITY
OR FACILITY SITE.

If you have any questions, please do not hesitate to contact me, Tuesday through Friday, **8:00 a.m. to 4:30 p.m.**

Sincerely,

COLLEEN PAINE x2594
For COLLEEN PAINE
Public Records Coordinator

:cp

INITIAL SITE ASSESSMENT REPORT

Appendix D
USER PROVIDED RECORDS
December 17, 2019

Appendix D USER PROVIDED RECORDS

In response to the user questionnaire/ interview, the City of Irvine identified the following list of previous environmental reports for the Property:

1. Environmental Impact Report for Irvine Business Complex (IBC) Vision Plan, March 2009
 - a. Identified impact at Harvard and Michelson.
 - b. City Council Resolution No. 10-79, approved July 13, 2010.
2. Environmental Study/Initial Study for Amendment to the Circulation Element of the Irvine General Plan, October 1997.
 - a. Reclassify Harvard Avenue (from Michelson Drive to University Drive) from a Four-Lane Primary Highway to a Two-Lane Commuter Highway.
 - b. City Council Resolution No. 98-15, Negative Declaration and Approving General Plan Amendment 30998-GA. Approved February 10, 1998.
3. Environmental Impact Report for Planning Area 12 Zone Change 11770-ZC, 1994
 - a. Impact identified at Michelson Drive between Culver Drive and Harvard Avenue.
 - b. City Council Resolution No. 94-111, approved June 28, 1994.
4. Environmental Impact Report for General Plan Amendment 16, May 1989
 - a. Resolution: "20-27 Harvard Avenue through Planning Area 14 (Westpark) will not be widened."
 - b. City Council Resolution No. 89-143, approved October 24, 1989.
5. Environmental Impact Report for General Plan Amendment 32, 1985
 - a. Impact identified on Harvard Avenue from Michelson Drive to Main Street
 - b. City Council Resolution No. 85-69, approved June 11, 1985.

INITIAL SITE ASSESSMENT REPORT

Appendix E
STANTEC RESUMES
December 17, 2019

Appendix E STANTEC RESUMES

Danny Law

GIS Analyst
3 years of experience

As a GIS Analyst, Danny Law has experience in producing a wide range of high-quality figures, performing complicated calculations, and collecting data in the field. He is familiar with preparing figures for Initial Study Proposals, Mitigated Negative Declarations, Phase I's, Environmental Impact Reports, Biological Resources Technical Reports, Jurisdictional Delineations, and Site Remediation Plans. Danny has the ability to create maps for biologist to use offline in the field for data collection purposes within the Arc Collector application. The breadth of Danny's experience in phase I assessments range from file reviews and figure production to preparing complete phase I reports for his projects. Danny also has experience collecting soil and water samples, as well as conducting limited wildlife surveys.

EDUCATION

Bachelor of Science in Sustainable Environmental Design, University of California, Davis, Davis, California, 2018

CERTIFICATIONS & TRAINING

OSHA 40-Hour HAZWOPER Training, Safety Unlimited, Inc., Simi Valley, California, 2019

PROJECT EXPERIENCE

SOIL SAMPLING

740 E & 800 E 111th Place | Los Angeles , California, United States | 2019 | Soil Sampler

Danny assisted in the investigation of chlorinated solvents impacts to soils, through soil sampling at a range of depths. He handled, hand augering and Photoionization Detectors (PIDs) to detect a broad range of chlorinated solvents within the samples, before collecting soil samples for laboratory analysis.

GROUNDWATER MONITORING

Tesoro Vinvale Terminal, Groundwater Monitoring and Sampling | South Gate, California, United States | 2019

Danny played an integral role in assisting the operations of quarterly water groundwater sampling activities. These activities were conducted during business hours at one of the largest fueling distribution terminals on the west coast.

ENVIRONMENTAL SITE ASSESSMENTS

740 East & 800 East 111th Place | Los Angeles , California | 2019 | Peer Reviewer

Danny performed QA/QC on the Phase II environmental site assessment health and safety plan (HASP) and marked errors for originator to address accordingly.

7-Eleven | Ceres, California | 2019

Danny has prepared a complete phase I report for a proposed 7-Eleven store.

WILDLIFE SURVEYS AND STUDIES

California Rail Builders High Speed Rail | Wasco, California, United States | 2019 | Surveyor

Danny conducted a series of Blunt Nose Leopard Lizard (BNLL) along designated transects for miles in an orchard and grassland environment. Danny surveyed for BNLL, California whiptail lizard, side-blotched lizard, and other special status species known to be within the survey area.

Emily Medler

Environmental Scientist
1 years of experience

As an environmental scientist, Emily has experience performing sample extraction and preparation and performing inorganic chemistry analyses on projects in California. Emily has also has experience drafting Environmental Impact Reports (EIRs) during her studies in Australia. She is proficient with Microsoft programs, Google applications, Laboratory Information Management Systems (LIMS), and gINT geotechnical and geo-environmental software and she is familiar with American Society for Testing and Materials (ASTM) and Caltrans testing methods.

EDUCATION

Bachelors of Science, Environmental Science, California Lutheran University, Thousand Oaks, Thousand Oaks, California, 2017

CERTIFICATIONS & TRAINING

HAZWOPER, Occupational Safety and Health Administration, California, 2019

Open Water Diver, Professional Association of Diving Instructors, California, 2018

First Aid/CPR/AED, American Red Cross, Long Beach, California, 2019

PROJECT EXPERIENCE

LABORATORY FACILITIES

Multiple Projects* | Santa Paula, California, United States | 2018-2019 | Environmental Chemist/Analyst

Emily was involved in multiple projects where she sampled extraction in wastewater, drinking water, groundwater, and hazardous waste according to EPA 200.7 and 200.8 regulations. She also performed Inorganic chemistry sample analysis, specifically determination of trace metals concentrations using Inductively Coupled Plasma Mass Spectrometry (ICP-MS). She also performed complete wet chemistry laboratory analyses including pH, percent moisture, and Methylene Blue Active Substances Assay (MBAS),

Multiple Laboratory Projects* | Santa Paula, California, United States | 2018-2019 | Environmental Chemist/Analyst

On multiple projects, Emily performed inorganic chemistry analysis, specifically determination of trace metals (Arsenic, Cadmium, Mercury, and Lead) in cannabis products using Inductively Coupled Plasma Mass Spectrometry (ICPMS). She also extracted

samples using closed vessels microwave digestion, prepared and extracted samples for Cannabinoids, Mycotoxins, Residual Pesticides, and Percent Moisture analysis, and assisted in microbial impurities analyses, including the presence of foreign material, Escherichia coli (E. coli), Aspergillus, and Salmonella.

Multiple Laboratory Projects* | Ventura, California, United States | 2018 | Laboratory Technician

Emily utilized her knowledge of American Society for Testing and Materials (ASTM) and Caltrans testing methods on multiple projects. She also performed simple to complex laboratory testing procedures.

HEALTHCARE

10121 Bacon Drive, Bettsville, Maryland Phase I Environmental Site Assessment | Bettsville, Maryland, United States

Emily was involved in the Ambient Air Data entry and threshold values research for this project.

PIPELINE CROSSINGS

L.S. 64 Yuba River Pipeline Relocation Project | California, United States | Ongoing

Emily is involved in the relocation of an existing pipeline across the Yuba River in Marysville, California using horizontal directional drilling technology. She drafted a correspondence response letter from SFPP (Kinder Morgan) to California State Lands Commission. She is also editing the project description, Glossary of Terms, Acronyms. She is drafting of Executive Summary, and administrative record.

LS-47 and LS-72 Pacheco Creek Washout Pipeline Remediation Project | Pacheco Creek, California, United States | Ongoing

Emily drafted the Lease Application to the California State Lands commission.

RECYCLED WATER

Montecito Sanitary District Title 22 Recycled Water Project | Montecito, California, United States | Ongoing

Emily is involved in this Initial Study-Mitigated Negative Declaration (ISMND) for a proposed upgrade to an existing facility including treatment of wastewater through ultrafiltration filters, reverse osmosis membranes, and sodium hypochlorite disinfection for irrigation discharge to an adjacent cemetery. She is drafting the project description, the Environmental Setting, and Impact Analyses for Cultural Resources, Hazards, Land Use, Population and Housing, Recreation and Housing, Tribal Cultural Resources, Utilities, and Wildfires.

* denotes projects completed with other firms

ROADWAY

Harvard Avenue and Michelson Drive Intersection Improvements | Irvine, California, United States | Ongoing

The Harvard/Michelson intersection was recommended for capacity enhancements in the Irvine Business Complex (IBC) Vision Plan 2015 Five Year Traffic Study Update and a previous 2010 report. The Project will provide capacity enhancements and improve circulation to the intersection. Harvard Avenue and Michelson Drive are both two-lane primary arterials within the City's roadway network. This intersection serves the Rancho San Joaquin, Irvine Business Complex and Westpark Communities, or Planning Areas 19, 36, and 14, respectively. The project proposes to add one southbound left turn lane on Harvard Avenue onto eastbound Michelson Drive resulting in two left turn lanes. There are Class II bike lanes on each road; however, the lanes transition to Class III at the intersection. The project proposes to provide a striped Class II lane through the intersection along Harvard Avenue. Emily coauthored the Initial Site Assessment Report and performed the field assessment of the Environmental Study Area for the proposed project.

Culver Drive and Alton Parkway Intersection Improvements | Irvine, California, United States | Ongoing

The Culver Drive and Alton Parkway Intersection Improvement Project will provide capacity enhancements and improve circulation to the intersection. The Culver Drive and Alton Parkway intersection is located in Irvine. Culver Drive is a 6-lane major arterial roadway, and Alton Parkway is a 4-lane primary arterial east of Culver Drive and a 6-lane major arterial west of Culver Drive in the City roadway. Alton Parkway contains an 8-foot Class II bikeway, a 3-foot parkway, a 5-foot wide sidewalk, and a bus transit stop on the southeast corner of the intersection. The proposed improvements would convert Alton Parkway's eastbound approach of 2 through-lanes plus a right turn lane, to 3 through-lanes, with a defacto right turn lane. The Class II bikeway, parkway, sidewalk, and bus turn-out would be modified and/or shifted to accommodate the new roadway capacity needs. Emily coauthored Initial Site Assessment Report and performed a field assessment of the Environmental Study Area for the proposed project.

LANDSLIDE/ROCK SLIDE RISK & MITIGATION

Big Rock Mesa Landslide Maintenance Project* | California, United States | 2018 | Laboratory Technician

Emily participated in water sampling along the Malibu Coastline for this project.

COMMUNITY INVOLVEMENT

Volunteer/Advisor, Study Abroad Center at California Lutheran University, Thousand Oaks, California, United States 2016-2017

Volunteer, Sepulveda Basin Clean Up, Friends of the Los Angeles River, Los Angeles, California 4/2017

Volunteer, Beach Clean-up, Monte Vista Presbyterian Church, Monte Vista, California, United States 2015

Science Festival Volunteer, National Parks Service 4/2015

Volunteer Lifeguard, Polar Bear Plunge, Conejo Recreation Park District, Conejo, California, United States 12/2016, 12/2007

Lewis D. Simons PG

Principal Geologist

Lewis is a State of California Licensed Professional Geologist with more than 24 years of professional experience in the environmental consulting field. Fields of specialization include Brownfield Redevelopment Services, Hazardous Waste Management, Due Diligence and Compliance Audits, Phase I & II Environmental Site Assessments, Expert Witness Litigation Support, Former Oilfield Redevelopment/Construction Projects, Methane Site Assessment & Mitigation, Solid Waste Landfill Projects, Risk Assessments, Remediation & Decommissioning, Air Sampling, Stormwater Pollution Prevention, completion of projects under direct oversight from the EPA/DTSC, and the implementation of Environmental Management Systems under ISO 14001 Guidelines.

EDUCATION

MS, EIA, Auditing, and Environmental Management Systems, University of East Anglia, Norwich, England, 2001

BS, Geology, University of Leicester, Leicester, England, 1995

REGISTRATIONS

Professional Geologist #7976, State of California

Ventura County Watershed Protection District, Water Resources Division, Registered Well Inspector

Member of the Geological Society of America (GSA), # 9113742

KEY PROJECT EXPERIENCE

Brownfield Assessment & Redevelopment Projects

City of Los Angeles, Department of Public Works, Bureau of Sanitation (LASAN), Marlton Square Shopping Center

Lewis provided technical consulting support to evaluate the scope and extent of impacts identified at a former shopping mall property located in Los Angeles. The services included presenting the likely scope, estimate of probable costs and remedy for the mitigation of impacts to allow safe redevelopment of the property. Lewis presented the information on a conference call attended by the CalEPA DTSC, City of Los Angeles, and the developer. The call enabled key stakeholders to evaluate the scope of remedial action, the short and long-term risks, as well as the consideration of mitigation measures (vapor barriers) recommended for the proposed use ensuring future redevelopment could occur unimpeded.

Former Marine Service Building, Phase I & Phase II ESA, 740 E. & 800 E. 111th Place, Los Angeles, CA

Lewis is currently serving as the key technical lead for environmental assessment and site remediation services for LASAN's Brownfield Redevelopment Program. Lewis is currently managing the completion of Phase I and Phase II ESA's on two commercial properties that have been identified by the LASAN being selected for redevelopment under their Brownfield Redevelopment Program. Scope of services included the completion of a Phase I ESA, Phase II ESA and additional investigation to identify the likely source of chlorinated solvent impacts that were identified during the initial Phase II ESA. Additional services included projection of costs and the scope of corrective action work that would likely be required to address environmental impacts to allow redevelopment of the property for the intended future use as an electric bus depot.

City of Los Angeles, Department of Public Works, Bureau of Sanitation (LASAN), Former Bethune Library, Los Angeles Regional Water Quality Control Board Open Case, Site Characterization

As the lead technical site assessment and remediation program manager, Lewis provided technical oversight for a LARWQCB-led Phase II ESA at the Former Bethune Library Property in Los Angeles. The purpose of the investigation was to evaluate the presence of petroleum hydrocarbons and heavy metals (principally lead) as a result of a former UST that was located on the property prior to the Bethune Library. The scope of work included a technical workplan submitted to the LARWQCB for review and approval and implementation of the plan on behalf of LASAN. A technical report documenting the soil borings, soil and soil vapor sampling results was prepared and uploaded to the SWRCB's Geotracker online database. Stantec is requesting the case be closed based on the favorable results of the soil and soil vapor testing, which will enable LASAN to move forward with its plans to redevelop the property for residential purposes.

* denotes projects completed with other firms

Lewis D. Simons PG

Principal Geologist

City of Los Angeles Department of Recreation & Parks (LADRAP), Multi-tenant Single Occupancy Residential Property, Allegheny Street, Sun Valley, CA, Phase I ESA.

As the technical lead for site assessment and remediation services provided to LADRAP, Lewis oversaw the completion of a Phase I ESA that is planned for redevelopment from a property currently containing three single family homes, into a local community park. Lewis ensured the report was delivered under an expedited timeframe and in accordance with ASTM 1527-13. Regular updates on findings were integral to ensure LADRAP could make critical informed decisions on the condition of the property, and any further action that may be warranted to allow the property to be redeveloped into a community park.

City of Los Angeles, Dept. of Public Works, Bureau of Sanitation (LASAN), Pico Union Community Garden Redevelopment Project

Lewis is the technical lead and project manager for the assessment and remediation of a community garden located in Los Angeles, CA that was formerly used for dry cleaning and historic automotive service repair services. Impacts from heavy metals (arsenic and lead) were identified in shallow soils that will need to be mitigated with oversight provided by the CalEPA DTSC. Services provided include the presentation of prior existing environmental soil sampling data, entry into a voluntary cleanup agreement administered by the DTSC, development and implementation of a technical workplan to mitigate shallow soil impacts to ensure the property is suitable for redevelopment into a local community park. Community outreach will be an integral part of the project to ensure all stakeholders and the local community are kept informed on the progress of this transformational and beneficial redevelopment project to the residents of the City of Los Angeles.

Confidential Healthcare Client, Hospital Expansion Construction Project, UST Removal, Downey, CA

Lewis managed the expedited removal of a UST that was inadvertently encountered during the installation of utility lines associated with the expansion of an existing medical center. The location of the UST encountered adjacent to the new parking structure that was being built was previously unknown. Lewis was able to expedite the removal of the UST using Stantec's trusted subcontractor network that included mobilization of a UST removal subcontractor and use of a lab that could provide the testing of confirmation soil samples (post UST removal) on a 24- to 48-hour rush turnaround timeframe. Timing was critical to remove the UST and minimize downtime by the client's general contractor. A technical report documenting the removal was prepared for the City of Downey Fire Department as well as the Los Angeles County Department of Public Works. Based on the highly favorable results, a request to close out the reported UST was requested along with confirmation of no further action required.

Vapor Intrusion / Methane Site Assessment & Mitigation-Related Projects

Confidential Healthcare Client, Medical Office Building (Lease) Remodel (Playa Vista), Los Angeles, CA, Phase I & Phase II ESA's, PCA, Water Quality Testing Vapor Intrusion & Methane Mitigation System Design & Installation Services

Lewis is the technical lead and project manager for the assessment and mitigation of vapor intrusion conditions (to include methane) identified at a commercial office building that will be remodeled into a medical office building. The scope of services provided included the completion of Phase I and Phase II ESA's, a Property Condition Assessment (PCA), and vapor intrusion investigations to evaluate the presence of volatile organic compounds and methane within the subsurface of the building. The results of the methane testing were used to establish the methane design basis in accordance with LADBS site testing standards and city ordinance for methane mitigation systems. Stantec assisted the general contractor on behalf of the client to provide additional architectural design considerations and implementation of the mitigation systems as a retrofit of the existing building. Air monitoring was provided during the installation of the sub-slab passive methane mitigation piping system based on the detection of up to 100% methane beneath the building slab during the assessment phase of the project. In addition, water quality testing was completed by Stantec to evaluate the existing water supply quality and enable decisions to be made on equipment that may be needed to meet the client's healthcare standards and existing state and federal water quality standards for occupancy by its personnel and visitors for use as a medical office building.

Confidential Healthcare Client, Medical Center Hospital Expansion Project, Harbor City, CA, Methane Site Investigation to Establish Methane Design Basis.

Lewis directed an investigation for methane for a proposed expansion building to the South Bay Medical Center located in Harbor City, CA. The investigation comprised the completion of soil borings, installation of triple-nested soil vapor probes and the collection and analysis of soil vapor samples to evaluate the presence of methane. The scope of work was completed in accordance with the site testing standards established by the LADBS to determine the methane design basis and adoption of appropriate methane mitigation measures.

* denotes projects completed with other firms

Lewis D. Simons PG

Principal Geologist

Waste Management & Solid Waste Landfills

Azusa Land Reclamation Landfill, Azusa, CA, Non-Conforming Lead Impacted Soil Disposal, Positional Report & Corrective Action Workplan. LARWQCB Lead Regulatory Oversight Project

Lewis provided technical support to resolve the placement of non-conforming soil at the Azusa Land Reclamation Landfill located in Azusa, CA. Approximately 6 roll-off bins of lead-impacted soil that had been profiled as Non-RCRA California hazardous waste (results identified an STLC of 8.34 mg/L) and designated for disposal at a facility licensed to accept the waste located in La Paz, Arizona, was inadvertently directed by the excavation subcontractor coordinating the disposal activities to the Azusa landfill. The Azusa landfill is a former sand and gravel extraction pit that is now being used as an inert waste landfill operated by Waste Management. The placement of the non-conforming lead impacted soil occurred in an unlined area of the landfill. Based on the permeable/porous characteristics of the landfill and threat to groundwater, the non-conforming soil would need to be removed under the regulatory oversight of the LARWQCB. A notice of violation (NOV) was issued to the operator by the LARWQCB, which required the development and implementation of a corrective action workplan (CAP) and the removal of the non-conforming soil to a facility that could accept the lead-impacted soil. Stantec developed the technical approach and scope of work for the CAP to remove the non-conforming soil by excavation and transportation of the soil to an appropriately licensed facility. Confirmation soil samples will be collected to verify the removal of the non-conforming soil to the satisfaction of the LARWQCB and to close out the NOV that was issued to the Azusa Landfill.

Mission Canyon Landfill, Subsurface Exploration & Encroachment Study, Los Angeles County, Chief Executive Office, Capital Projects/Debt Management, Los Angeles, CA

Lewis completed an encroachment assessment study for a former landfill located in Los Angeles County, CA. Stantec was tasked with completing a review of various sources of information (LA County Sanitation District solid waste records, topographic maps, aerial photos, geophysical surveys, parcel maps, etc.) associated with the Mission Canyon Landfill and conducting an evaluation on the extent of refuse and its potential encroachment onto adjacent private residential properties, as well as the encroachment from the adjoining private properties onto the County-owned landfill. The Mission Canyon Landfill operated between 1960 and 1965. Based on subsurface exploration activities and soil boring logs completed on the landfill in 2012, typical waste materials deposited included, but was not limited to, debris identified as: wood, newspaper, plastic, glass, tile, ceramics, concrete, wax paper, steel wool, fabric, asphalt, leather, charcoal and burlap wrap. During this period of time, the land adjoining the landfill around its northern perimeter was subject to grading activities and development into predominantly residential housing and other private properties.

Stantec evaluated and compared the available data regarding the likelihood of two key scenarios that may have occurred related to the Mission Canyon Landfill and the adjoining private residential properties located along its northern-most boundary. The two key scenarios were identified as the likely potential for: 1) encroachment of refuse from the Mission Canyon Landfill beneath private residences; and 2) Encroachment by private residential properties onto the Mission Canyon Landfill. Stantec presented their findings and worked with the Chief Executive Office of the Los Angeles Department of Public Works to develop mutually acceptable strategies to resolve both the Counties encroachments onto private property, and the neighboring properties encroachment onto the LA County Mission Canyon Landfill.

Hazardous Waste Program Manager, Chevron Pipeline Company, California (Principal Geologist, Program Manager)

Lewis was the lead hazardous waste program manager providing hazardous waste management services for Chevron Pipe Line Company across the State of California. Projects managed were associated with new construction capital projects as well as operation, maintenance, decommissioning and site assessment/remediation services. In addition, Lewis developed a comprehensive Waste Management Guidance Document for CPL. From this document, site-specific waste management plans were created on a per-project basis. Lewis managed the storage, handling and disposal aspects of multiple waste streams generated from on-going operation and maintenance of existing CPL facilities, as well as new capital construction projects. Waste minimization in full compliance with local, state and federal regulations and cost savings were a major focus and driving force for the waste management services delivered to CPL.

Former Bakery/New Target Store Construction, San Pedro, California (Project Geologist)

Lead-impacted soils were inadvertently identified at a former bakery site in San Pedro, California during grading and were initially deemed to be RCRA Hazardous or Non-RCRA California hazardous waste. Based on a cost-effective site-specific sampling and analysis plan developed in accordance with current regulatory and health and safety guidelines, Lewis was able to profile and dispose of the soils as non-hazardous waste, thus enabling the Target Corporation to avoid liability as a hazardous waste generator and the resultant associated tax implications. By working effectively with the subcontractors and Target's designated construction group, Lewis was able to minimize down-time, while providing significant cost savings and adherence to regulatory guidelines for the correct characterization and disposal of soils from the site. Cost savings were provided to Target in the form of reduced transport, handling, and significantly lower disposal costs, as well as avoiding long-term liability as a generator of hazardous waste and the associated tax implications.

* denotes projects completed with other firms

Lewis D. Simons PG

Principal Geologist

He expedited management of the characterization, excavation, and disposal of soils—critical given the construction schedule for the redevelopment of the former bakery site into a Target Store. Environmental consulting work also performed at this location that included obtaining an NFA/Case Closure status from the LARWQCB for the former underground storage tanks; evaluation of a former railroad spur for potential heavy metals, pesticides, and herbicide impacts or waste characterization purposes.

Renewable Energy Projects

Phase I ESA, 3,700 Acre Proposed Wind Farm Project, Confidential Renewable Energy Client, Alameda County, CA

Lewis managed the completion of a Phase I ESA for a proposed windfarm that encompassed approximately 3,700 acres and comprised 17 contiguous legal parcels. The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13, and All Appropriate Inquiry (AAI) as defined by the US-EPA in Title 40 of the Code of Federal Regulations, Part 312, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Due to the size, accessibility, and rugged topography of the Property, the site reconnaissance was conducted in general accordance with ASTM Standard E2247-16: Phase I Environmental Site Assessment Process for Forestland or Rural Property. The Phase I ESA was completed to support the clients planning aspects of the project under CEQA. The property was used previously for wind power generation, however, the client intends to upgrade the study area with modern wind turbines as part of an approved wind repowering project.

Transportation/Roadways

Initial Site Assessment (ISA) Study, Moorpark West Studios, Moorpark, CA. Highway SR118 Widening Project (Principal Geologist, Project Manager)

Lewis coordinated the completion of an Initial Site Assessment (ISA) in accordance with CalTrans Standards for the widening of Highway SR 118 (Los Angeles Avenue) associated with the proposed Moorpark Studios Project located in Moorpark, CA. The widening of the highway resulted in testing soils for potential impacts from aerially deposited lead as well as the nearby agricultural land that utilized pesticides/herbicides. Scope of services included the preparation and implementation of a technical site assessment workplan and outreach to private landowners to obtain access agreements to perform the soil testing adjacent to the 118 Freeway.

Interstate 210/215 Soil Sampling, San Bernardino, California (Project Manager/Field Coordinator)

Lewis served as project manager/field coordinator for the completion of soil sampling for aerially deposited lead (ADL) analysis along the Interstate 210/215 Freeways in California. The proposed scope of work was intended to evaluate whether excavated soil generated during the proposed improvements to the freeways would result in the need for special handling or disposal (as defined by Title 22 of the California Code of Regulations) with respect to ADL. To evaluate appropriate handling procedures for excavated soil as a result of proposed Caltrans improvements, the collected samples were analyzed in a California certified laboratory for total lead. In addition, select samples were also analyzed for pH and soluble lead following the California Waste Extraction Test (where total lead exceeds 50 mg/kg) and the Toxicity Characteristic Leaching Procedure (TCLP) (where Cal WET results exceed 5 mg/L). Tasks included coordinating several soil-sampling teams and the processing, collection, and logging of multiple soil samples.

Environmental Site Assessment & Remediation Projects

Former Dry Cleaners, Simi Valley, CA, Site Assessment & Remediation

Lewis is currently managing the completion of site characterization and corrective action for a former dry-cleaner business that had an unauthorized release of chlorinated solvents (principally PCE and TCE with degradation products of cis-1,2-dichloroethylene, 1,1-dichloroethylene, trans-1,2-dichloroethylene) to shallow soil and groundwater. With lead regulatory oversight provided by the LARWQCB, Lewis prepared a technical corrective action workplan (CAP) to address the impacts, as well as evaluate potential vapor intrusion conditions. The evaluation of soil vapor conditions post-excavation and removal of impacted soil combined with groundwater monitoring will be used to demonstrate the effectiveness of the corrective action, as well as provide precautionary measures (such as inclusion of a vapor barrier into the redevelopment design) to ensure future redevelopment of the Property is fully protective to future occupants and users of the new proposed commercial building.

* denotes projects completed with other firms

Lewis D. Simons PG

Principal Geologist

San Gabriel Superfund/LARWQCB Led Multi-Media Site Assessment, School Bus Fleet Maintenance Yard, Rosemead, CA (Technical Lead/Project Manager)

Lewis is the technical lead and project manager for a multi-media site assessment at a bus service maintenance yard located within the San Gabriel Superfund Operating Unit.

Following the completion of a chemical use inventory questionnaire and pursuant to a LARWQCB letter dated March 24, 2016 (Requirement for Technical Report Pursuant to California Water Code [CWC] Section 13267 Order), the client was required to submit a workplan to conduct a multi-media site assessment of the property. A Technical Work Plan for a Site Assessment dated July 13, 2017 was submitted and comprised the advancement of 8 soil borings to a maximum depth 45 feet bgs, conversion of the borings into triple-nested soil vapor wells, and the collection of soil, soil vapor, and groundwater samples for submittal to a fixed-base laboratory for chemical analyses. Based on the scope of work completed, Stantec was able to demonstrate that the historic and current bus service maintenance operations had not contributed to the constituents of concern (primarily VOCs [chlorinated solvents]) documented in groundwater associated with the San Gabriel Superfund Operating Unit, and therefore should not be identified as a potential responsible party and no further assessment of the property as it relates to the Superfund is warranted.

Phase I ESA/Property Transfer – Westlake Village Golf Course, Westlake Village (Client/Project Manager)

Lewis performed and managed a Phase I ESA of the Westlake Golf Course located in Westlake Village, CA, in accordance with the methodology and protocol of the American Society of Testing Materials (ASTM) Standard Practice for Environmental Site Assessments ("Standard" E 1527-05). Work included a review of available government agency files; an environmental record search of interviews with property owners and regulatory agencies; submittal of report to the client, including recommendations for Phase II assessment and sampling, when appropriate. The assessment of the property included critically important document reviews for a third party off-site release of chlorinated solvents that had migrated beneath the Property via shallow groundwater. Stantec was able to demonstrate that the concentrations in groundwater were low (marginally above the MCL) and that a responsible party had been identified with regulatory agency oversight provided by the DTSC and the LARWQCB.

Expert Witness/Litigation Support

CERCLA Claims Evaluation, Former Rolling Steel Mill, Jordan Downs, California (Principal Geologist/Expert Witness)

Lewis provided expert witness/litigation support services on a CERCLA claims evaluation legal case associated with the former operation of a rolling steel mill located in Jordan Downs, California. The property was purchased by a local housing agency (as the Plaintiff) for redevelopment into a mixed residential and commercial property. The property was impacted with heavy metals, VOC's, TPH and PCB's as a result of the historical use of the property for various industrial uses, which resulted in the Plaintiff filing a claim against the former defendants. Services provided by Lewis included broad historical research into past and present activities performed at and adjoining the Property, preparation and submittal of expert witness reports, depositions and the design and implementation of field investigation programs, and collection of data in support of the defendants. Based on the expert witness litigation services Lewis had provided, Stantec was asked to additionally represent multiple other defendants in the case. The case was settled to the satisfaction of the clients represented.

BP/ARCO Tesoro, Litigation Support & Natural Gas Pipeline Decommissioning Services, Hollywood Park Racecourse & Casino, Inglewood, CA

Stantec developed a positional report pending legal action by the owner of the Hollywood Park Racecourse & Casino Property for alleged impacts resulting from the operation of a natural gas pipeline. The key contaminants of concern were principally arsenic and TPH. Based on research conducted by Stantec, the positional report was able to determine that the majority of the 238-acre site had significant impacts from arsenic and TPH that could not be attributed to the natural gas pipeline. In addition, investigative research and the decommissioning of four remaining sections of pipeline confirmed that elevated concentrations of arsenic and TPH detected in soil directly beneath the pipeline were a result of the property owner driving fence posts and a light stand into the natural gas pipe line (right of way), which caused the hotspot detections of arsenic detected in soil. Based on the submittal of the positional report to the Property owner, the client was not contacted any further or approached with respect to the Property owners claims that their operation of the natural gas pipeline had caused impacts to soils at the Property. Instead, it was proven that the Property as-a-whole was impacted with elevated arsenic and TPH.

* denotes projects completed with other firms

Lewis D. Simons PG

Principal Geologist

Stantec provided oversight for the removal of four sections of the inactive Former British Petroleum, Atlantic Richfield Company (BP ARCO) natural gas pipeline 216A. The four sections of pipeline were located along the west and south peripheral boundary areas of the Hollywood Park Racecourse and Casino Property parking lot directly adjacent to South Prairie Avenue and West Century Boulevard in Inglewood, California 90301. The decommissioning activities for the four remaining sections of the natural gas pipeline occurred from May 27, 2015 to June 10, 2015. The ownership of the former pipeline was transferred from BP ARCO to Tesoro in approximately 2012/2013.

Oil & Gas

Confidential Healthcare Client, Mental Health Facility Expansion, Former Oil Exploration Redevelopment Project, Los Angeles City Oil Field, Los Angeles, California (Ongoing)

Lewis directed the research, investigation and mitigation of former oil wells at a proposed medical expansion redevelopment project located in the City of Los Angeles Oil Field. Lewis is working with the State of California Department of Conservation, Division Oil, Gas & Geothermal Resources (DOGGR) and the local permitting agency, Los Angeles Department of Building & Safety (LADBS). Scope of work included geophysical surveys to identify potential locations of up to 53 reported oil wells and other anomalies, physical exposure of the oil wells using a backhoe excavator, leak checks and the abandonment of oil wells to current DOGGR standards. In addition, soil vapor surveys were conducted in accordance with LADBS guidelines to evaluate the presence of methane and identify the design basis for methane mitigation measures for both the retro-fit of the existing and proposed new buildings and parking structure planned for the redevelopment and expansion of the medical services currently provided.

Former ARCO Pipeline No. 1 Decommissioning Project, Needham Ranch, Newhall, CA (Principal Geologist)

Lewis directed and coordinated oversight for the removal of former ARCO Pipeline No. 1 (owned by Tesoro/now Andeavor), located on a proposed large tract residential redevelopment property located at Needham Ranch, Newhall, CA.

Lewis mobilized a crew to provide oversight, document the removal of the pipeline by the developer's general contractor and collect confirmation soil samples. The oversight was provided to ensure any potentially contaminated soils, if identified as sourced from the former ARCO pipeline No. 1 were segregated, profiled and handled appropriately.

The project was complicated by three other pipelines located in the area, one of which was located directly adjacent to the former ARCO Pipeline No. 1. Stantec's oversight during the decommissioning activities was able to determine that the integrity of the former ARCO Pipeline No. 1 was intact. In addition, the oversight documented the small release of oil from the adjacent oil pipeline while it was being removed. Stantec provided photographic documentation records that the oil released was not from the ARCO Pipeline No. 1, but attributed to the pipeline operated by SoCal Gas Company.

Shell Petroleum, Due Diligence and Compliance Audits, Riverside, Central and Southern California (Southern California Project Team Leader)

Lewis was the Southern California project team leader for conducting due diligence and compliance audits for Shell petroleum retail facilities located throughout Riverside County. The work included the development of a compliance checklist and resolving all notice of violations (NOVs) issued by the Riverside County Environmental Health Care Agency. Each Shell-owned facility was audited for evidence that NOVs were resolved; current SB 989 testing and compliance; and permits and hazardous materials business plans were current, accurate, and a copy was filed at the lead agency. Waste disposal and training records, as well as designated operator inspection reports, were reviewed; emergency equipment and procedures were checked to make sure they were available and on site. Strict deadlines set forth by the district attorney were met to ensure Shell's facilities were in compliance with all Federal, state, and local regulatory requirements. The compliance work was extended to include all counties within Southern California. The cost was \$1,500,000.

Target Store Assessment and Remediation, Anaheim, California (Project Manager)

Lewis managed the assessment and remediation of a former Target Store located in Anaheim, California. Sources of impacts identified in soil, soil vapor, and groundwater that were associated with a former dry cleaners and automotive service station that formerly operated at the property. Work included the evaluation of all historical soil, soil vapor, and groundwater data associated with the site to date; the completion of an updated site assessment to evaluate current environmental conditions; and remediation of these source areas. Lewis worked closely with the City of Anaheim Public Utilities Department and the Santa Ana Regional Water Quality Control Board to obtain no further action status for the Site. Liaison and regular meetings due to the aggressive schedule required for cleanup to residential levels and redevelopment of the property into residential condominiums was an integral part of the project's success. Case closure and no further action status were granted by the regulatory agencies in February 2012.

* denotes projects completed with other firms

Lewis D. Simons PG

Principal Geologist

PUBLICATIONS

An Initial Environmental Review (EIR) Report. *EIA, Auditing & Environmental Management Systems*, 2002

* denotes projects completed with other firms