



11.6 Hazardous Materials Documentation

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Leighton and Associates, Inc.
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To: Toll Bros Apartment Living
200 Spectrum Center Drive, Suite 300
Irvine, CA 92618

Date: March 13, 2019

Project No. 12289.001

Attention: Mr. John Hyde

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Proposal

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Subject: Draft Phase I Environmental Site Assessment Report, 26126 Victoria
Boulevard, APN 668-361-01, Capistrano Beach, California

LEIGHTON CONSULTING, INC.

By: Robert Lovdahl

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PHASE I ENVIRONMENTAL
SITE ASSESSMENT REPORT
26126 VICTORIA BOULEVARD
APN 668-361-01
CAPISTRANO BEACH, CA 92624

Prepared For:

Toll Brothers Apartment Living

200 Spectrum Center Drive, Suite 300
Irvine, California 92618

Project No. 12289.001

March 13, 2019



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Toll Brothers Apartment Living
200 Spectrum Center Drive, Suite 300
Irvine, CA 92618

Attention: Mr. John Hyde

**Subject: Phase I Environmental Site Assessment Report
26126 Victoria Boulevard
APN: 668-361-01
Capistrano Beach, CA 92624**

Leighton Consulting, Inc. (Leighton) is pleased to present this Phase I Environmental Site Assessment Report for the property located at 26126 Victoria Boulevard, in the city of Capistrano Beach, California (subject site). Leighton declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312, and the ASTM International (ASTM) Standard E1527-13.

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

If you have questions regarding this report, please contact us. We appreciate the opportunity to be of service to Toll Brothers Apartment Living.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Robert Lovdahl, PG 9239
Project Geologist

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Appendix B – Site Reconnaissance Photos

Appendix C – Interview Forms

Appendix D – EDR Environmental Lien and AUL Search Report

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Appendix I – Sanborn Map Report

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Appendix K – Building Permit and Property Tax Map Reports

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1.0 INTRODUCTION

1.1 Authorization

Leighton and Associates, Inc. (Leighton) performed a Phase I Environmental Site Assessment (ESA) of the property located at 26126 Victoria Boulevard, in the city of Capistrano Beach, California (site or subject site – Figure 1) in accordance with the authorization of Toll Brothers Apartment Living.

1.2 Purpose

The purpose of the Phase I ESA was to identify, to the extent feasible and pursuant to the processes prescribed in ASTM International (ASTM) E1527-13, recognized environmental conditions (RECs), historical RECs (HRECs), or controlled RECs (CRECs) in connection with the subject site.

RECs are defined, according to ASTM E1527-13 as *“the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not RECs.”*

HRECs are defined, according to ASTM E1527-13 as *“a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.”*

CRECs are defined, according to ASTM E1527-13 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, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.”* (ASTM E1527-13, 2013).

1.3 Scope of Work

The scope of work was performed in accordance with Leighton’s Proposal No. IR19-47 dated February 8, 2019 and included the following tasks:

- A reconnaissance-level visit of the subject site for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for onsite releases of hazardous materials and petroleum products;
- Records review (including review of previous environmental reports, selected governmental databases, and historical review);
- Interviews; and
- Preparation of this report presenting our findings.

1.4 **Significant Assumptions**

Leighton assumes that the information provided by the Client and its agents, regulatory database provider, and regulatory agencies is true and reliable.

1.5 **Limitations and Exceptions**

Site-specific activities performed by Leighton and information collected regarding these activities are summarized in the following sections. The findings of this ESA are presented in Section 7.0. Opinions, and conclusions drawn by Leighton, based on the information collected as part of the ESA, are presented in Sections 8.0 and 9.0, respectively.

This Phase I ESA was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the ESA described herein. Opinions presented herein apply to the conditions of the subject site existing at the time of our study and cannot necessarily be taken to apply to conditions or changes of the subject site that we are not aware of or have not had the opportunity to evaluate. It must be recognized that conclusions drawn from these data are limited to the amount, type, distribution, and integrity of the information collected at the time of the investigation, the methods utilized to collect and evaluate the data, and that a full and complete evaluation of environmental risks cannot be made. Although Leighton has taken steps to obtain true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of this information.

This practice does not address whether requirements in addition to all appropriate inquiry have been met in order to qualify for the landowner liability protections including the continuing obligation not to impede the integrity and effectiveness of activity and use limitations, or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the subject site that are not addressed in this practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

1.6 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of electrical equipment for the presence of PCBs or collection of other environmental samples such as soil, groundwater, air, building materials, paint, or other media; assessment of natural hazards such as naturally occurring asbestos, radon gas or methane gas; assessment of the potential presence of radionuclides; or assessment of nonchemical hazards such as the potential for damage from earthquakes or floods, or the presence of endangered species or wildlife habitats. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the subject site or of businesses operating at the subject site.

1.7 User Reliance

This report is for the exclusive use of Toll Brothers Apartment Living and its affiliates. Use of this report by any other party shall be at such party's sole risk.

1.8 Important Information about Geoenvironmental Reports

Toll Brothers Apartment Living and its affiliates are referred to Appendix L regarding important information provided by Geoprofessional Business Association (GBA) on geoenvironmental studies and reports.



2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The subject site is located at 26126 Victoria Boulevard in the city of Capistrano Beach, Orange County, California (Figure 1). The Orange County Assessor's office designated the subject site as Assessor Parcel Number (APN) 668-361-01. A legal description for the subject site is included in the EDR Environmental Lien and AUL Search Report attached in Appendix D.

2.2 Subject Site Vicinity General Characteristics

The subject site is bounded by Sepulveda Avenue to the northwest and Victoria Boulevard to the northeast. La Playa Avenue runs through the subject site and approximately parallels the southern boundary. The vicinity is generally developed for residential and commercial uses. In the immediate vicinity of the subject site are two churches, two preschools, an Orange County fire station, and both single and multi-family residences.

2.3 Current Use of the Subject Site

The subject site is comprised of approximately 5.6 acres of land which has been paved with asphaltic concrete with the exception of cement paved area located in the eastern corner of the subject site (Figure 2, Appendix B). Landscaped areas with small trees and grass or tall bushes are present along the sidewalk at the western margin and part of the eastern margin of the property. The subject site is currently owned and operated by the Capistrano Unified School District (CUSD or District). The northern portion of the subject site is surrounded by a chain-link fence and is primarily used for maintenance and operations for the Grounds Department. The remaining portion of the subject site is considered the South Transportation Yard and is used for storage, maintenance, and refueling of school busses and other district vehicles (Figure 2).

2.4 Descriptions of Structures, Roads and Other Improvements on the Property

The subject site currently contains six structures and one identified road, La Playa Avenue (Figure 2). Two structures are utilized by the Grounds Department and include the Butler Building and the Grounds Dispatch Building. The South Transportation Yard currently contains four structures including the former Tire Storage Building, Mechanic Shop, Transportation Office (former Serra School

house), and an unnamed storage shed. Other features on the subject site include approximately ten metal shipping containers (used for storage), two fuel dispenser islands, a bus/vehicle wash area, and an asphalt-paved parking lot for buses or other District vehicles.

The following utilities will provide service to the subject site.

Natural Gas:	Southern California Gas Company
Source of Potable Water:	South Coast Water District (SCWD)
Electric:	Southern California Edison
Heating/Cooling System:	N/A
Solid Waste Disposal:	CR&R

2.5 Current Uses of Adjoining Properties

The subject site is bordered to the northwest by Sepulveda Avenue, across from which are the Coffield Apartments, San Felipe De Jesus Catholic Church and Capo Beach Church and Preschool. Bordering the site to the northeast is Victoria Boulevard, across from which are single-family houses, Orange County Fire Station No. 29, apartment buildings, and Nobis Preschool. Bordering the site to the south is an approximately 100-foot-wide greenway and then the Pacific Coast Highway.



3.0 USER PROVIDED INFORMATION

The user of this Phase I ESA is identified as Toll Brothers Apartment Living. As a part of the ASTM E1527-13 process, Mr. John Hyde, the Senior Project Manager for Toll Brothers Apartment Living, completed a questionnaire for the subject site. A copy of this questionnaire is provided in Appendix C.

3.1 Title Records

An Environmental Lien and AUL Search Report prepared by Environmental Data Resources, Inc. (EDR), dated February 20, 2019, was reviewed by Leighton. No environmental liens or activities and use limitations (AULs) were noted in the Environmental Lien and AUL Search Report (Appendix D).

3.2 Environmental Liens or Activity and Use Limitations

Mr. Hyde indicated that he was not aware of environmental liens or AULs filed or recorded for the subject site.

3.3 Specialized Knowledge

Mr. Hyde indicated that he had no specialized knowledge or experience with the subject site.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Hyde was not aware of specific chemicals that are or were once present on the property, spills or other chemical releases that might have taken place on the property.

3.5 Valuation Reduction for Environmental Issues

Mr. Hyde indicated that the purchase price being paid for the subject site is based on fair market value.

3.6 Owner, Property Manager, and Occupant Information

According to Mr. Hyde, the subject site is owned and managed by Capistrano Beach School District of Orange County.

3.7 Reason for Performing Phase I ESA

According to Mr. Hyde, the reason for requesting this Phase I ESA is for due diligence purposes related to the purchase of the subject site.

3.8 Other

A previous Phase I ESA report completed by PlaceWorks for the subject site was provided to Leighton. The previous report is summarized in Section 4.2.5 of this report.

DRAFT DOCUMENT

4.0 RECORDS REVIEW

4.1 Physical Setting Source(s)

Leighton reviewed pertinent maps and readily available literature for information on the physiography and hydrogeology of the subject site. A summary of this information is presented in the following subsections.

4.1.1 Topography

The subject site was in private ownership before California joined the United States, and so is not covered by the Township and Range system. Topographic map coverage of the subject site vicinity is provided by the United States Geological Survey (USGS) Dana Point, California Quadrangle (2012). The elevation of the subject site varies by approximately 19 feet across the subject site, with the highest elevation located in the east corner of the subject site, and the lowest in the west corner. On average, the subject site elevation is approximately 50 feet above mean sea level.

4.1.2 Surface Water

There are no surface water features at the subject site. The two nearest major surface water features are the Pacific Ocean, located approximately 1,400 feet to the south and San Juan Creek located approximately 1,900 feet west of the subject site.

4.1.3 Geology and Soils

The subject site is located in the historic floodplain of San Juan Creek. The site sits upon non-active, Holocene age alluvial floodplain deposits of unconsolidated sediments of sandy silt with some clay (USGS, 1999).

Leighton conducted a limited Phase II ESA which included the sampling of onsite soil, soil gas, and groundwater concurrently with this Phase I ESA in order provide a baseline understanding of the environmental conditions at the subject site. Fifteen soil boring were advanced during this investigation in February 2019 and shallow soils encountered were dominated by clay, silt, and fine-grained sand.



4.1.4 Hydrogeology

The subject site is located within the San Juan Creek watershed and is considered part of the San Juan Valley Groundwater Basin. The primary water-bearing unit within the San Juan Valley Groundwater Basin is Quaternary alluvium which is estimated to be 65 feet thick on average (DWR, 2004).

As part of Leighton's Phase II ESA for the subject property, one identified onsite groundwater monitoring well was gauged and sampled. Groundwater monitoring well MW1, located in the eastern corner of the site, indicated that static groundwater was 22.53 feet below top of well casing. Soil borings were advanced using a direct-push drilling rig up to a maximum depth of 33 feet below ground surface (bgs) and groundwater was not identified. According to previous environmental investigation reports for the site completed by Reynolds Group and Hekimian and Associates (References provided in Appendix A), saturated soils were generally encountered as shallow as 31 feet and sometimes deeper than 40 feet bgs. Groundwater may exhibit confined conditions below the significant amount of fine-grained sediments identified in the upper 40 feet at the site and could explain recorded static groundwater levels between 18 and 23 feet bgs. Without professional survey elevation data or gauging data from additional groundwater monitoring wells installed at the subject site, an accurate groundwater flow direction and gradient is difficult to determine. Based on the subject site's proximity to the Pacific Ocean, it is reasonable to assume that groundwater flow is toward the coast (southwest).

4.1.5 Floodplain

According to the Environmental Data Resources Radius Map Report with Geocheck (EDR Radius Report), the northwest margin of the subject site (along Sepulveda Avenue) is located at the edge of the 500-year flood zone and it is not depicted to be within national wetlands. The EDR Radius Report is included in Appendix E.

The Site inspection did not reveal existing wetlands or any conditions, such as reeds in standing water that would indicate the presence of a wetland on the subject site.



4.1.6 Oil and Gas Fields

Leighton reviewed the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR), Online Mapping System, on February 13, 2019. Evidence of oil wells or oil field-related facilities was not indicated on the subject site or within 0.25-miles of the subject site. The nearest identified oil and gas well was a plugged well owned Union Oil Company of California located approximately 0.5 miles to the west.

4.1.7 Methane

The subject site is not located within an active/inactive oil field or landfill; therefore, the potential for elevated thermogenic or biogenic methane levels at the subject site appears to be low.

4.2 Standard Environmental Record Sources

A search of selected government databases was conducted by Leighton using the EDR Radius Map™ Report with GeoCheck® environmental database report system. Details and descriptions of the database search are provided in the EDR database report. The database report meets the government records search requirements of ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The database listings were reviewed within the specified radii established by the ASTM E1527-13. A copy of this report is included in Appendix E.

4.2.1 Subject Site

The subject site is used by both the CUSD Grounds and Transportation Departments for storage, maintenance, and refueling of school busses and other district vehicles. The EDR Radius Map™ Report returned numerous records for the subject site under several different site names with the street address of 26126 Victoria Boulevard and reference to either Capistrano Beach or Dana Point as the city. Details regarding the database records are summarized below.

- CUSD Transportation Yard (26126 Victoria, Dana Point/Capistrano Beach)

- Leaking underground storage tank (LUST) database identified an environmental cleanup at the subject site under the direction of the Orange County Local Oversight Program (LOP). Gasoline was identified as the contaminant of concern and groundwater was listed as the affected media. The environmental case is considered completed and the case was closed on July 26, 2000.
- Recovered Government Archive (RGA) LUST database returned records dating from 2003 to 2012.
- Capistrano Unified School Dist (26126 Victoria, Capistrano Beach)
 - LUST REG 9 database also identified the environmental cleanup at the subject property. The identification of the release is noted as December 27, 1989 and a work plan was submitted on February 22, 1990. Abatement method for the release was excavation and disposal of contaminated soil at an approved site. The case was closed on July 26, 2000.
 - RGA LUST database record for the years 1992 through 2002.
- Capistrano USD (26126 Victoria, Dana Point)
 - LUST database entry for the UST release case that was closed on July 26, 2000.
- CUSD Transportation Center (26126 Victoria Blvd, Capistrano Beach)
 - Statewide Environmental Evaluation and Planning System (SWEEPS) UST database records for underground storage tanks. Records for two 550-gallon tanks with “product”, one 10,000-gal tank with unleaded gasoline, and one 5,000-tank with diesel fuel.
- Capistrano School District (26126 Victoria Blvd., Capistrano Beach)
 - Waste Discharge System (WDS) database records for an active industrial facility that treats and/or disposes of liquid or semisolid wastes.
- CUSD/Transportation (23126 Victoria Blvd, Capistrano Beach)



- HAZNET database records for tracking waste manifest information. Record indicates that in 2011 the facility was storing, bulking, or transporting an unspecified aqueous solution in the amount of 0.75 tons.

4.2.2 **Offsite**

Forty-one offsite facilities were identified within a one-mile radius of the Site in the EDR Database. Two records were reported at higher elevations than the Site and are considered “up gradient” of the Site for the purposes of this assessment. Details regarding adjacent facilities to the subject site or facilities identified at higher topographic elevations are summarized below.

- Orange County Fire Station #29 (26111 Victoria Blvd – 0.019 miles from the subject site) – HIST UST database identified two underground tanks including a 550-gallon unleaded gasoline tank and a 550-gallon diesel tank. LUST database records indicate that an environmental cleanup case was opened for a leak detected on May 18, 1993. The contaminant of concern was identified as diesel fuel and the Santa Ana Regional Water Quality Control Board oversaw cleanup activities. The Case was closed on December 31, 1998.
- Private Residence (Address not given – 0.323 miles from the subject site) – The private residence is identified by the Orange County LOP as having a UST that was used to store diesel. A leak was reported on 11/07/2000, remediated, and the case was subsequently closed on 03/23/2001.
- Lind Residence (34655 Camino Capistrano – 0.343 miles from the subject site) – The Lind residence was identified Orange County LOP as having a gasoline LUST on 10/30/2000. The case was closed on 03/23/2001.

The remaining seventeen facilities identified in the radius report are located at lower elevations than the Site, are not directly adjacent and are considered “down gradient” for the purposes of this assessment. These properties are not anticipated to pose an environmental threat to the Site. Property. Details pertaining to these facilities can be found in the Radius Report in Appendix E.

Unmapped Listings: Orphan listings in the EDR report, are properties without a complete street address and therefore cannot be located on a map. Two unmapped facilities were identified in the vicinity of the subject site and are listed below.

- Monarch Beach Resort
- Shell Oil (28662 Camino Capistrano)

4.2.3 Vapor Encroachment

Based on the information identified during the records review process pertaining to historical vehicle maintenance activities and former UST fuel releases at the subject site, vapor migration could present a potential concern (see Section 4.2.4). Previous environmental investigations, reviewed as part of this assessment, did not include the collection of subsurface soil gas samples or indoor air samples to evaluate potential vapor intrusion risk at the subject site.

Leighton completed a Limited Phase II ESA study concurrently with this Phase I ESA in which soil gas probes were installed in twelve locations across the subject site. For additional information regarding the results of the soil gas sampling efforts, please refer to Leighton's Limited Phase II Environmental Site Assessment completed under separate cover.

4.2.4 Regulatory Agency Contacts

Leighton requested to review any public records from the agencies listed below. The address of 26126 Victoria Boulevard, Capistrano Beach, California was used to perform a records search.

Department of Toxic Substances Control (DTSC)

Leighton requested records from the San Diego DTSC office in San Diego, California on February 8, 2019. A letter response that no records were found for the subject site was received on February 11, 2019. A copy of the letter response can be found in Appendix F.

Leighton requested records from the DTSC office in Cypress, California on February 8, 2019. A letter response that no records were found for the

subject site was received on February 15, 2019. A copy of the letter response can be found in Appendix F.

In addition, Leighton reviewed records posted on the DTSC's Envirostor online database on February 18, 2019. Searches were conducted by reviewing a map of the subject site and vicinity. No records were identified for the subject site or adjacent sites.

State Water Resources Control Board

Leighton requested records from the San Diego Regional Water Quality Control Board (SDRWQCB) by email on February 8, 2019. A response was received via email on February 13, 2019. The response indicated that the only records found for the subject site were available on the Geotracker online database. A copy of the email response is included in Appendix F.

Leighton reviewed records posted on the State Water Resources Control Board's (SWRCB) Geotracker online database on February 18, 2019. A LUST cleanup case is identified in the Geotracker database for subject site. The cleanup status is closed as of July 26, 2000 and the record indicates that the oversight agency for the case is the Orange County LOP (Case #90UT028). The only site document available for this cleanup case is a copy of the July 26, 2000 letter from the County of Orange Health Care Agency detailing the completion of site investigation and corrective action for the UST that was formerly located at the subject site. A copy of this letter is included in Appendix F.

The Geotracker database also contains information pertaining to the LUST cleanup case at the Orange County Fire Station #29 located across Victoria Boulevard from the subject site. Geotracker database records indicate that the cleanup case is closed as of December 31, 1998 and that the oversight agency involved was the Orange County LOP (Case #93UT054). No site documents were available for review.

South Coast Water District

Leighton requested records from the South Coast Water District (SCWD) on February 8, 2019. A response letter was received on February 12, 2019 indicating that SCWD provides water and wastewater services to the property

but did not identify any documents applicable to the records request. A copy of the response letter is included in Appendix F.

Orange County Health Care Agency

On February 8, 2019, a records review request form was forwarded to the Orange County Health Care Agency (OCHCA) via the online records request portal. A response was received on February 20, 2019 which included ten electronic documents pertaining to the subject site. The documents are included in Appendix F and briefly summarized below.

- Site Assessment Plan by Hekimian & Associates, Inc. (5/29/1990): A limited soil investigation completed following the 1989 removal of a 550-gallon waste/drain oil tank and a 550-gasoline tank (note that report text states the second tank contained diesel fuel, but figure labels tank as used for gasoline). Results of soil sampling of soil stockpiles and in situ soil samples indicated the presence of hydrocarbon contamination (maximum total petroleum hydrocarbon concentration in soil was reported at 5,521 parts per million [ppm]). Approximate locations of the former oil and gasoline tanks have been added to Figure 4.
- Site Assessment Report and Remedial Action Plan by Hekimian & Associates (8/6/1990): The background section of this document clarifies that the former 550-gallon diesel tank had been used as a gasoline storage tank (addressing the discrepancy noted in the May 29, 1990 Site Assessment Plan by Hekimian & Associates). The report includes the results of soil samples collected from five soil borings in the vicinity of the former 550-gallon USTs. Results identified gasoline and diesel in soil samples with trace levels of benzene, toluene, ethylbenzene, and xylenes (BTEX). The highest concentrations were detected in soil directly below the former 550-gallon diesel/gasoline UST. The maximum soil concentrations were detected at 20 feet bgs including 1,900 milligrams per kilogram (mg/kg) and 3,100 mg/kg for gasoline and diesel, respectively. The report recommended soil excavation as the most effective means of remediation.
- Soil and Groundwater Investigation Report by The Reynolds Group (December 1995): Report details the results of soil boring advanced to 40 feet bgs in the vicinity of the former 550-gallon diesel/gasoline UST and installation of a groundwater monitoring well, MW1. Concentrations



of gasoline and BTEX were identified in soil samples collected between 15 and 30 feet bgs. The groundwater sample collected from MW1 reported concentrations of gasoline and BTEX. The concentrations for benzene, toluene, and ethylbenzene were above regulatory maximum contaminant levels (MCLs) established for drinking water.

- Underground Storage Tank Closure Report, Report on Interim Source Removal Action, and Report on Groundwater Well Installation by The Reynolds Group (9/14/1998): Report summarizes the removal of two steel USTs, subsequent soils excavation and groundwater monitoring well installation at the subject site. Removal of two USTs (a 10,000-gallon gasoline tank and a 5,000-gallon diesel tank) took place between June 29 and July 1, 1998. Seven soil samples were collected from the former tank cavities per OCHCA instruction and analytical results indicated total petroleum hydrocarbons (TPH), BTEX, and methyl tertiary-butyl ether (MTBE) were not detected above laboratory reporting limits. The report also details the implementation of an Interim Source Removal Plan to address the residual soil contamination below the former 550-gallon diesel/gasoline (tank removed in 1989). On July 20, 1998, a remedial excavation was completed to a maximum depth of 29 feet bgs. Confirmation samples from the sidewalls and excavation bottom and 600 pounds of Oxygen Releasing Compound (ORC) was mixed into the soils placed back into the excavation to address any residual gasoline-related contamination left in place. According to non-hazardous waste manifests included in the report appendices, a total of 281.07 tons of petroleum-contaminated soil was removed from the subject site and transported to CDE Glen Helen Soil Recycling Facility. A new groundwater monitoring well, labeled MW1 (NEW), was installed in the down gradient direction (presumed groundwater flow toward the coast) of the remedial excavation to replace the original well that was demolished as part of the remedial excavation. The report conclusions and recommendations section includes a request for full and unconditional closure of the environmental case associated with the former UST release.
- Results of Single Well (MW-1) Groundwater Monitoring by The Reynolds Group (2/2/2000): Report details the analytical results for a groundwater grab sample and purge sample collected from MW-1 (New). MW-1 (New) is located approximately 10 feet from the location of the former



monitoring well with the same identification (installed in 1995). The report includes a summary table for all groundwater samples collected from the original MW-1 (sampled from 1995 to 1997) and MW-1 (New) which was installed after the remedial excavation that took place in the summer of 1998. Maximum groundwater concentrations prior to the remedial excavation in 1998 included 45,040 micrograms per liter (ug/L) gasoline; 15,203 ug/L benzene; 8,397.8 ug/L toluene; 3,519.9 ug/L ethylbenzene; 4,288.4 ug/L xylenes; and 209 ug/L MTBE. Concentrations detected in the purge groundwater sample collected from MW-1 (New) on January 31, 2001 included 243 ug/L gasoline; 10.8 ug/L benzene, and 76.8 ug/L ethylbenzene (all other contaminants were not detected above laboratory detection limits).

- Miscellaneous Documents: The remaining scanned documents provided by OCHCA include:
 - Extracted figures, tables, and appendices from the summarized investigation reports above;
 - Field notes and Inspection Reports from OCHCA pertaining to the UST removals and environmental site assessments conducted at the subject site;
 - Correspondence relating to the environmental cleanup case (90UT28) for the subject site;
 - UST permit applications;
 - Hazardous Waste Stream logs, Hazardous Waste Inspection Reports, and waste manifests associated with chemicals related to vehicle maintenance (antifreeze, solvents, and cleaners), waste oil, oil filters, and clarifier sludge;
 - UST Permits and tank inspection/testing reports; and
 - Documents pertaining to UST and associated piping modifications and/or maintenance.

Orange County Fire Authority

On February 8, 2019, a records review request form was forwarded to the Orange County Fire Authority (OCFA) via email. On February 11, 2019, a response was received via email which contained a record detailing an

emergency response request for the subject site. According to the OCFA record, on September 29, 2006, personnel from Fire Station 29 were dispatched in response to a reported chemical spill/leak at 1835 hours. Response activities included decontamination of persons/equipment and the site was cleared at 1855 hours (20 minutes on site). No further details were included regarding the incident.

National Pipeline Mapping System (NPMS)

Leighton reviewed records posted on the National Pipeline Mapping System's NPMS Public Map Viewer on February 28, 2019. No pipelines were shown on or adjacent to the subject site (NPMS, 2019).

State of California Radon Survey

The State of California conducts ongoing radon monitoring in the state. The results of the survey indicate that of the three indoor air samples collected from zip code 92624, one of the samples contained radon concentrations greater than the U. S. Environmental Protection Agency (EPA) radon action level of 4 picocuries per liter (pCi/l) of air (see page A-20 of the EDR Radius Report in Appendix E). The EPA Radon Zone for Orange County is Zone 3 (indoor average level is less than 2 pCi/l) and therefore, the potential for elevated radon levels at the subject site is low.

4.2.5 Other Reports

The following previous environmental investigation reports were reviewed by Leighton in preparation of this Phase I ESA:

- *PlaceWorks, Phase I Environmental Site Assessment - South Transportation Yard for Capistrano Unified School District, dated August 2015.*

The historical Phase I ESA identified the following RECs and HRECs:

- REC 1 – The facility was used as a bus maintenance and repair facility from approximately the 1970s until 2007. Hydraulic lifts were observed on the sites that have underground tank(s) and piping. A RCRA small quantity generator permit was in place that was most likely for the use of solvents to clean engine parts. The former use of the facility for



vehicle maintenance and repair has the potential to have impacted the subsurface soils at the site.

- REC 2 – Two underground storage tanks are located at the site that will need to be removed under the oversight of the Orange County Health Care Agency. Testing will need to be implemented to evaluate if the current USTs have leaked. It is recommended to have the tanks removed and closed prior to the implementation of a Preliminary Environmental Assessment under Department of Toxic Substances Control (DTSC) oversight.
- HREC 1 – The historic underground storage tanks located on site were removed in 1989 and gasoline-impacted soil was reportedly excavated and disposed offsite under the oversight by OCHCA. No documents or files were available to review and closure may have been based on continued land use as a bus maintenance facility. Additional investigation is recommended if planned future site use involves a school.

The historical Phase I recommended that a Preliminary Environmental Assessment (PEA) be completed to identify potential risk based on planned future land use. Placeworks reported that as part of the PEA process under the oversight of DTSC, testing around current and historic structures for potential lead-based paint and organochlorine pesticides from termiticides will likely be required.

4.3 Historical Use Information on the Property

Leighton reviewed selected historical information on the subject site. These references were reviewed for evidence of activities, which would suggest the presence of hazardous substances at the subject site and to evaluate the potential for the subject site to be impacted by offsite sources of contamination. The following paragraphs are a chronological summary of the review.

4.3.1 Aerial Photographs

Historical aerial photographs were reviewed for information regarding past subject site uses. Aerial photographs dated 1938, 1946, 1949, 1952, 1967, 1974, 1977, 1989, 1990, 1994, 2005, 2009, 2012, and 2016, provided by

EDR, were reviewed. Copies of these photographs are included in Appendix G.

In the **1938** aerial photograph, the subject site is divided by a road that continues off the current Via Santa Rosa. The northwestern two thirds of the subject site appears to be vacant land potentially utilized for farming (very faint lineations are visible), with a small structure located in the center of the undeveloped area. The southeast third of the subject site contains an L-shaped building approximately 150 feet in length and 100 feet in width. This portion of the site has trees planted along the southern and eastern borders, with the rest appearing to be unpaved. The roads of Sepulveda Avenue and Victoria Boulevard are visible along the borders of the site, as well as the now abandoned La Playa Avenue. Residential housing is adjacent to the west, with farmland to the north, and undeveloped land to the east and south.

In the **1946** aerial photograph, Via Santa Rosa has been truncated halfway through the subject site, and there no longer appears to be farming activity occurring onsite. The small structure is more visible in this photograph and is approximately 45 feet in length and 40 feet in width. The L-shaped building and trees are still present on site, as well as a new 25x20 foot structure in the eastern corner. There is still residential housing adjacent to the west, and farmland to the north, but four small structures have been built in what was undeveloped land to the east and south.

In the **1949** aerial photograph, a new approximately 100-foot-long building has been built to the south of the L-shaped building, alongside La Playa Avenue. The site is otherwise much the same as in the 1946 photograph, and several additional small structures have been built on land adjacent to the east and south.

In the **1952** aerial photograph, the subject site remains largely unchanged, and there are a couple additional residential houses built to the northeast of the site.

In the **1967** aerial photograph, it appears that the structure in the center northwest of the subject site is no longer present, as well as the ~100 foot building on the southern border of the site. The center of the site that previously contained the truncated Via Santa Rosa now appears to be



paved. The farmland directly north of the site has been developed into two residential housing communities, and to the south and east, the modern-day positions of the Pacific Coast Highway and 5 Freeway have been built.

In the **1974** aerial photograph, three structures have been added to the subject site in the area that was noted as paved in the 1967 photograph. The largest of the three is L-shaped, approximately 140x70 feet, and is located centrally, just to the north is a white-roofed 100x50 foot building, and below the central L-shaped building is a small structure of about 50x20 feet. A fourth new building is about 80x40 feet, and positioned towards the eastern corner. A new condominium development is under construction on the other side of the Pacific Coast Highway to the southwest of the site.

In the **1977** aerial photograph, 21 busses are parked along the southern border of the subject site, and it appears the original L-shaped building is no longer standing, as well as the smallest 50x20 foot building seen in the 1974 photograph. The area surrounding the site is unchanged.

In the **1989** aerial photograph, approximately 75 busses and many smaller vehicles are parked on the subject site, and the northwestern half of the site has been paved. The northern third of the site, including the 100x50 foot white roofed building appears to be fenced off and used for a different purpose than the rest of the site. The Capo Beach Church has been built on empty lot to the northwest of the site, and the Coffield Apartments have been built to the west.

In the **1990 and 1994** aerial photographs, the subject site and surrounding area remain largely unchanged.

In the **2005** aerial photograph, three new buildings of approximately 50x30 feet each are present in the northern corner of the subject site. To the northeast of the site, the structures at the location of the present Orange County Fire Station No. 29 have been removed, and the lot stands empty.

In the **2009** aerial photograph, the southern two of the new buildings in the 2005 photograph are no longer standing, and a new 45x30 foot building has been built in the partitioned northern third of the site, along the northeast site boundary. The building for the Orange County Fire Station No. 29 has



been built, and there have been no other changes to the site surrounding areas.

In the **2012 and 2016** aerial photographs, there have been varying numbers of vehicles parked onsite, but no other apparent changes to the subject site or surrounding areas.

4.3.2 Historical Topographic Maps

Historical topographic maps provided in the EDR Historical Topographic Map Report were reviewed for information regarding past subject site uses, and include the following quadrangles: Capistrano (1902, 1906), San Juan Capistrano (1947), Dana Point (1948, 1949, 1968, 1975, 2012).

1902 and 1906: Structures are not depicted on the subject site. No roads are depicted on or adjacent to the subject site. Camino Capistrano is depicted to the west of the site, with the railroad to the south.

1947: Three structures are depicted on the subject site, along with the bordering roads Sepulveda Avenue, Victoria Boulevard, and La Playa Avenue, as well as the bisecting road Via Santa Rosa. The majority of modern-day roads are present in the adjacent area, save for the Pacific Coast Highway and I-5 Freeway connection.

1948 and 1949: A school is depicted onsite in the location of the L-shaped building seen in aerial photographs from 1938 to 1974. Two other structures are depicted onsite, and Via Santa Rosa is shown to terminate at the site boundary.

1968: The school depicted onsite is now labeled "Serra Sch". The L-shaped building is still present, as well as a longer building to the southwest and five smaller structures, three in the eastern corner, and two along the northwest boundary. The farm field to the north now shows roads developed and is labeled "Trailer Parks." The connection between the Pacific Coast Highway and the I-5 Freeway is present to the south-southeast of the subject site.

1975: One additional structure is depicted in pink on the subject site and is interpreted as the current Grounds Dispatch Building. Three new small



structures have been built to the northeast of the site, as well as improvements to the freeway interchange.

2012: No structures, tanks, and/or wells are depicted on the subject site and surrounding properties, only roads.

4.3.3 Fire Insurance Maps

Fire insurance maps, or Sanborn® maps, are detailed city plans showing building footprints, construction details, use of structure, street address, etc. The maps were designed to assist fire insurance agents in determining the degree of hazard associated with a particular property. Sanborn Maps were produced from approximately 1867 to the present for commercial, industrial, and residential sections of approximately 12,000 cities and towns in the United States.

According to the report by EDR, there is no Sanborn Fire Insurance Map coverage for the subject site. A copy of this report has been provided in Appendix I.

4.3.4 Historical City Directories

City Directories have been published for cities and towns across the US since the 1700s. Originally, a list of residents, the City Directory developed into a tool for locating individuals and businesses in particular. For each street address listed, the directory recorded the name of the resident or business that operated from this addresses. While City Directory coverage is usually comprehensive for major cities, it may be sporadic for rural areas and small towns. The purpose of the City Directory research was to attempt to determine the businesses that were historically located at the subject site and adjacent addresses.

Leighton reviewed the EDR City Directory Image Report dated February 12, 2019 (Appendix J). City directory records were available dating back to 1972 in which the subject site is listed as both Capistrano Unified School District and Serra Elementary. By 1980 records, the subject site address is no longer associated with Serra Elementary, but does continue to be identified as Capistrano Unified School District. A full listing of the



addresses identified along Victoria Boulevard is presented in the EDR City Directory Report in Appendix J.

4.3.5 Building Department Records

Building permit records were searched through the EDR Building Permit Report (Appendix K), however, EDR did not have access to building permits for the city in which the subject property is located (Capistrano Beach).

A records request was submitted to the City of Dana Point on February 19, 2019 requesting any building permits or records of building/property violations. On February 21, 2019, the City of Dana Point submitted several records identified on file for the subject site. The limited records received are summarized below and copies of the records are included in Appendix F.

- Record description and letter of complaint dated September 30, 2015 regarding storage containers on the property as public nuisance.
- Record dated February 4, 2008 regarding a verbal warning to CUSD regarding stormwater measures to be taken concerning an uncovered soil stockpile.
- An electrical permit approved August 4, 1986 for electrical work pertaining to replacement pumps.

4.3.6 Property Tax Files

Property tax files were not reviewed as they were not reasonably ascertainable. The EDR Property Tax Map Report provided in Appendix K includes a parcel map dated March 1980 showing the parcels associated with the subject site.

4.3.7 Other Historical Sources

An article entitled "It's History: Seeking Serra School" was reviewed in the *Dana Point Times* which discussed the history of the former Serra School which was located on the property. According to the article, the triangle-shaped parcel of land was donated by the Capistrano Beach Land Co. in 1929 for the purposes of constructing Serra School. In 1941, Serra School was rebranded Serra Elementary School at Doheny Park. By the mid-



1960s, Serra School was abandoned as a school but the building was retained to serve as CUSD administrative headquarters. In 1971, the CUSD headquarters was relocated to Capistrano High School and the Serra School playground was re-paved and transformed into the District's Transportation Center (bus yard). The original Serra School building remains at the subject site today.

4.3.8 Summary of Historical Land Use

Based on historical records, land usage is summarized as follows:

Time Period	Land Usage	Reference
Prior to 1902	Unknown	None Available
1902 to 1929	Vacant, undeveloped land.	Topographic Maps Dana Point Times Article
1929 to mid-1960s	Serra (Elementary) School	Topographic Maps Aerial Photographs Dana Point Times Article
Mid-1960s to 1971	Capistrano Unified School District Administrative Headquarters	Dana Point Times Article
1971 to today	CUSD South Transportation Center/Yard	Aerial Photographs Previous Reports Site Reconnaissance



5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

On February 13, 2019, Mr. Robert Lovdahl, a registered Professional Geologist with Leighton, conducted a site reconnaissance. Mr. Lovdahl was accompanied by Capistrano Unified School District representatives Kent Smith and Stephen Sandland. The property reconnaissance consisted of observing and documenting existing conditions of the Site. Photographs of the subject property are presented in Appendix B and their view directions are noted on Figure 3.

5.2 General Property Setting

The subject site is comprised of approximately 5.6 acres of land which has been paved with asphaltic concrete with the exception of a cement paved area in the eastern corner. The site is situated just north of the Pacific Coast Highway near the intersection with the Interstate 5 (I-5) Freeway. The subject site currently operates as a Capistrano Unified School District lot used for storage, maintenance, and refueling of school busses and other district vehicles.

5.3 Exterior and Interior Observations

5.3.1 Hazardous Substances, Drums, and Other Chemical Containers

Small quantities (quart-size jugs and aerosol cans) of various cleaners, degreasers, and lubricants were identified in the former Tire Storage Building and the Mechanic Shop (Appendix B Photos Nos. 7, 10, and 11). Approximately fifteen 55-gallon steel drums were observed within two of the rooms in the Mechanic Shop. Based on the labels observed on the drums, materials contained within these drums include waste oil, HTC oil, diesel fuel catalyst, and tractor hydraulic fluid (Appendix B, Photo #11). Two plastic drums were noted in the Mechanic Shop and did not have labels. Several drums were identified within the northernmost room of the Mechanic Shop, but access to view the drum labels was limited due to the amount of materials stored in this room (Appendix B, Photo #9). The drums that were accessible were noted to be empty or nearly empty based on the sound given off when knocking on the drums. A covered, outdoor drum storage area with a concrete curb/wall for secondary containment was identified on the south side of the Mechanic Shop, but no drums were currently being staged in this area (Appendix B, Photo #13). Concrete

within the drum storage area appear to be in fair condition and no significant stains were observed in this area.

Portable fuel containers (approximately 2-gallon capacity) were noted inside the Grounds Dispatch Building, presumably used for fueling the motorized grounds-keeping equipment parked inside (Appendix B, Photo #21). Pesticide chemicals are currently stored within a fenced enclosure inside the Grounds Dispatch Building (Appendix B, Photograph 22). The concrete floor observed within the Grounds Dispatch Building appeared to be in good condition and no significant staining was observed.

5.3.2 Storage Tanks

Two underground storage tanks (USTs) were identified during the site reconnaissance in the western corner of the site (see Photo No. 6 in Appendix B). The USTs contain unleaded gasoline and diesel and associated product and vapor lines connect the USTs to two dispenser islands located near the western exit off Victoria Boulevard (see Photo No. 5 in Appendix B). According to the Grounds Manager, Kent Smith, the two USTs are periodically used via onsite dispensers to fuel school district vehicles. An aboveground clean air separator is located between the USTs and fuel dispensers. An underground hydraulic fluid reservoir is suspected in association with the hydraulic vehicle lifts identified in the former Vehicle Maintenance Building.

5.3.3 Polychlorinated Biphenyls (PCBs)

A pad-mounted transformer was observed in the asphalt parking lot near the southern boundary of the subject site (see Photo no. 15 in Appendix B). No leaks or staining were observed beneath the transformer. At least three hydraulic lifts were identified in the former Vehicle Maintenance Building. Although maintenance activities have not been conducted within this building for at least ten years (according to the Grounds Manager), the hydraulic lifts and underground hydraulic fluid reservoir were not decommissioned or removed.

5.3.4 Waste Disposal

Two CR&R roll-off bins were identified adjacent to the landscaping materials storage area. These bins contain solid waste and are hauled offsite by



CR&R when filled, according to CUSD personnel. Three scrap metal roll-off bins were identified in the parking area of the Transportation Yard. According to CUSD personnel, these bins are removed from the property when filled.

5.3.5 Dumping

Evidence of active dumping was not observed on the subject site. A relatively small stockpile of soil was identified near the western corner of the subject site (Photo No. 20 in Appendix B). The stockpile was approximately 5 feet tall, covered in plastic, and secured by sandbags and perimeter straw waddle. According to facility personnel, the stockpile consists of CUSD-approved fill material and is used for miscellaneous backfilling needs at various school sites. Based on the described material usage, this material is not considered to present significant environmental risk at the subject site.

5.3.6 Pits, Ponds, Lagoons, Septic Systems, Wastewater, Drains, Cisterns, and Sumps

Evidence of pits, lagoons, septic systems, wastewater, cisterns, and sumps was not observed on the subject site. An outdoor floor drain was located at the former bus washing area. The drain connects to a 3-stage, in-ground clarifier that eventually discharges to the sewer system (see Photo No. 14 in Appendix B).

5.3.7 Pesticide Use

Evidence of pesticide use was not observed on the subject site. Various pesticides are stored on site within the Grounds Dispatch Building (see Photo No. 22 in Appendix B). Based on a review of aerial images, agricultural activities may have taken place at the subject site prior to 1946 (see Section 4.3.1).

5.3.8 Staining, Discolored Soils, Corrosion

Significant staining was not observed on asphalt or concrete paved areas across the subject site. The pavement across the subject site was observed to be in acceptable condition and any minor vehicle fluid releases associated with bus/vehicle staging are not expected to significantly impact soil below the subject site.



5.3.9 Stressed Vegetation

Evidence of stressed vegetation was not observed on the subject site.

5.3.10 Unusual Odors

Unusual odors were not detected on the subject site.

5.3.11 Onsite Wells

Oil, gas production, or water production wells were not observed on the subject site. One groundwater monitoring well was identified between the former Tire Storage Building and Mechanic Shop (Figure 4). This 2-inch diameter groundwater monitoring well is presumed to be MW1 (New), which was installed as part of the UST cleanup case that was closed on July 26, 2000 by the Orange County Health Care Agency.

5.3.12 Other Observations

No other observations were noted during the site reconnaissance.

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6.0 INTERVIEWS

Leighton attempted conducted interviews with persons having knowledge of current or past subject site usage. Written responses, if any, are included as Appendix C.

6.1 Interview with Owner

The Capistrano Unified School District (CUSD) is identified as the property owner. A Phase I ESA Owner/Site Contact Interview Form was provided to CUSD for the purposes of obtaining owner-specific knowledge as it pertains to the subject site. At the time of report production, the interview form had not been returned by CUSD.

6.2 Interview with Property Manager

The Grounds Manager, Kent Smith, was interviewed during the site reconnaissance visit on February 13, 2019. At the time of publishing this report, Mr. Smith had worked for CUSD for three years. Most of the answers provided by Mr. Smith are covered in Section 5.0.

6.3 Interviews with Occupants

The subject site does not include any residences; therefore, occupants were not interviewed as part of this Phase I ESA.

6.4 Interviews with Local Government Officials

Interviews with Local Government Officials were not conducted.

6.5 Interviews with Others

Leighton did not conduct additional interviews for this Phase I ESA.



7.0 FINDINGS

Leighton performed a Phase I ESA for APN 668-361-01, located at 26126 Victoria Boulevard in the city of Capistrano Beach, California (subject site – Figure 1) in accordance with the authorization of Toll Brothers Apartment Living.

7.1 Onsite

The subject site appears to have been vacant, undeveloped land before the building of Serra School around 1929. Serra School, later renamed Serra Elementary School, was in active use until the mid-1960s when the subject site and a former school building was utilized as the Capistrano Unified School District Administrative Headquarters. In 1971 the subject site was converted into the South Transportation Yard for storage, maintenance, and refueling of school busses and other CUSD vehicles. The Serra School building remains at the subject site and is currently used for storage of excess school furniture.

Currently the subject site is subdivided into the Grounds Department and Transportation Yard. The Grounds Department operates out of the northern fenced area (roughly one third of the subject site in terms of area) and serves as a storage facility for various grounds-keeping vehicles/equipment (tractors, mowers, gardening tools, etc.) and landscaping materials (potting soil, wood chips, sand bags, etc.). The remainder of the subject site, the Transportation Yard, is used as a parking lot for District vehicles (buses and trucks) and City of Dana Point vehicles (trolley car shuttles), staging area for storage containers, former bus and vehicle maintenance area, and facilities for vehicle fueling and washing.

The fueling area located in the northeastern corner of the Transportation Yard currently includes a 20,000-gallon diesel UST, a 10,000-gallon gasoline UST and two fuel dispenser islands. Based on public records obtained from OCHCA, four additional USTs, including a 550-gallon waste oil tank, a 550-gallon gasoline tank, 10,000-gal gasoline tank, and a 5,000-gallon diesel tank, were historically located in this general area before being removed from the subject site. The two 550-gallon waste oil tank and gasoline tank were removed from the subject site in 1989 and a soil investigation performed at the time of tank removal identified evidence of a release associated with the 550-gallon gasoline UST (Hekimian, 1990a). Groundwater impacts were identified based on subsequent investigations and an environmental cleanup case was opened under the guidance of OCHCA in 1993. A remedial excavation in the vicinity of the former 550-gallon gasoline UST was

completed in 1998 concurrently with the removal of the two other historical USTs (5,000-gallon diesel and 10,000-gallon gasoline tanks) which extended to a maximum depth of approximately 29 feet bgs. According to non-hazardous waste manifests, a total of 281.07 tons of petroleum-contaminated soil was removed from the subject site as a result of the excavation activities. Approximately 600 pounds of oxygen release compound (ORC) was introduced in the backfill material within the excavation to remove residual contamination in soil and groundwater (The Reynolds Group, 1998). After several years of groundwater monitoring and sampling adjacent to the former UST release, OCHCA closed the environmental cleanup case in a July 26, 2000 letter addressed to CUSD.

At least four in-ground hydraulic lifts are located inside the former Mechanic Shop with two trenches utilized for former vehicle maintenance. Although vehicle maintenance activities have not been performed at the subject site during the past decade (according to District staff), the vehicle lifts and associated piping and hydraulic fluid reservoir were never removed. Historical automobile maintenance activities likely involved the use of hazardous chemicals including solvents and petroleum products, which may have impacted soil and subsequently soil gas below the former Mechanic Shop.

A floor drain and in-ground clarifier are located southwest of the former Mechanic Shop which service the bus washing area at the subject site. According to District personnel, the bus wash area is still utilized today for cleaning various District vehicles. Once oil and water were separated by way of the bus wash clarifier, waste water was discharged via the sanitary sewer system. Separated "clarifier sludge" was transported offsite for disposal as noted in various OCHCA documents reviewed. A leak in the clarifier or associated piping could result in soil contamination below the bus wash area.

Based on the records reviewed in this assessment, a soil gas investigation has not been previously conducted in the vicinity of the current and historical USTs, hydraulic lifts, or the bus wash clarifier. Volatile constituents associated with impacted soil below these areas of concern could pose a vapor intrusion risk to future onsite occupants.

7.2 Offsite

The subject site is bordered to the south by a greenway alongside the Pacific Coast Highway. To the northwest, the subject site is bordered by Sepulveda Avenue,

across from which are the Coffield Apartments, San Felipe De Jesus Catholic Church and Capo Beach Church. Bordering the site to the northeast is Victoria Boulevard, across from which are single-family and multi-family residences, Orange County Fire Station No. 29, and Nobis Preschool.

Offsite facilities identified in the EDR Radius Report, and Geotracker database were considered as part of this assessment. A leaking UST cleanup case was identified for Orange County Fire Station No. 29 based on the EDR Radius Report and agency file reviews. An environmental cleanup case was opened in 1993 under OCHCA oversight and was closed in 1998. Based on the relatively short cleanup period, the released chemical (diesel fuel), and the distance between Station No. 29 and the subject site (located across Victoria Boulevard) the former diesel release at the offsite property are not anticipated to pose a significant threat to the environmental conditions at the subject site.

7.3 Data Gaps

ASTM E 1527-13 requires review of standard historical sources (SHS) at approximate five-year intervals from at least 1940 to the present, or the earliest development of the site. The availability of extensive historical information varies significantly between locations and it is common to have gaps in the data for one or more of the periods where historical property uses are unknown or uncertain. There is also a potential for unidentified uses to have occurred between data points, or prior to the earliest acquired data.

The earliest data acquired for the subject site regarding past property usage was from 1902 (topographic map).

A locked shed was noted to the southwest of the underground fuel tanks in the northeast corner of the subject site (labeled on Figure 4). The key to unlock this shed was not available during the site reconnaissance visit on February 13, 2019. The contents, if any, within this shed are unknown. Similarly, the majority of the storage containers located in the parking lot of the Transportation Yard were described as rental storage space for local entities (the neighboring church across the street was named as one of the entities using the storage containers). Items stored within these containers are unknown.

A Phase I ESA Owner/Site Contact Interview Form was provided to CUSD for the purposes of obtaining owner-specific information as it pertains to the subject site. At the time of report production, the interview form had not been returned by CUSD. If the interview form is received at a later date and the responses materially change the conclusions of this investigation, an addendum to this report will be issued.

These data gaps are not expected to alter the conclusions or recommendations of this report based on the documentation and maps reviewed.

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8.0 OPINION

8.1 Onsite

The following RECs were identified.

1. The historical automotive maintenance activities and remaining in-ground hydraulic lifts located inside the former Mechanic Shop represent a source of potential contamination by petroleum products and solvents associated with historical activities. Impacted soil and/or soil gas in the vicinity of historical maintenance activities presents a potential environmental concern for future site occupants.
2. A 10,000-gallon gasoline UST and 20,000-gallon diesel UST are located in the northeast corner of the subject site. Fuel leaks from the USTs, associated piping, or the fuel dispensers could impact the subsurface below the subject site. These features are therefore considered a potential environmental concern.
3. The floor drain and in-ground clarifier associated with the bus wash is considered a potential concern if leaks in clarifier stages or connection piping have impacted soil at the subject site.
4. Shallow soil in the vicinity of current and historical structures constructed prior to 1979 at the subject site may be impacted by lead from lead-based paint potentially applied to onsite buildings. Similarly, wooden buildings constructed prior to 1989 may have been treated with termiticides containing organochlorine pesticides. Based on the review of historical topographic maps and aerial photographs, four historical buildings and two current buildings (Grounds Dispatch Building and the Transportation Office/Former School Building) were built prior to 1979.

The following HRECs were identified.

1. Four historical USTs were identified at the subject site including a 550-waste oil tank (removed in 1989), a 550-gasoline tank (removed in 1989), 10,000-gallon gasoline tank (removed in 1998) and a 5,000-gallon diesel tank (removed in 1998). A leak was confirmed in the 550-gallon gasoline tank and resulted in an environmental cleanup that ended on July 26, 2000. Although all remedial activities and sampling requirements were met according to the

overseeing agency, OCHCA, a soil gas survey was not completed to evaluate potential vapor intrusion risk.

This assessment has revealed no evidence of CRECs in connection with the property.

8.2 Offsite

It is Leighton's opinion that offsite facilities were not identified that appeared to represent a potential source of migration of hazardous substances to the Site.

DRAFT DOCUMENT

9.0 CONCLUSIONS AND RECOMMENDATIONS

Leighton performed a Phase I ESA for the Site in conformance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report. The assessment identified RECs and HRECs in connection with the property and Leighton's recommendations for each REC and HREC are discussed below.

1. The REC identified as the historical automotive maintenance activities and hydraulic lifts located inside the former Mechanic Shop requires further assessment to determine if potential contaminants in soil or soil gas at the subject site present a risk to future occupants of the proposed residential development.
2. The REC identified as the 10,000-gallon 20,000-gallon fuel USTs, associated piping, and dispenser islands requires further assessment to determine if potential contaminants in soil or soil gas at the subject site present a risk to future occupants of the proposed residential development. The two USTs, piping, and dispensers will need to be removed under the oversight of OCHCA and adequate confirmation sampling performed prior to site redevelopment.
3. The REC identified as the floor drain and in-ground clarifier associated with the bus wash requires further assessment to determine if potential contaminants in soil or soil gas at the subject site present a risk to future occupants of the proposed residential development. The clarifier and associated piping will need to be removed or properly abandoned in place prior to site redevelopment.
4. The REC identified as current and historical structures that potentially contain lead-based paint or were treated with organochlorine pesticides requires further assessment to determine if contaminants are present in shallow soil that would pose a risk to future occupants of the proposed residential development. Representative shallow soil samples should be collected near the perimeter of current or historical buildings constructed prior to 1979 and analyzed for Title 22 metals and organochlorine pesticides.
5. The HREC identified as the four former USTs located on the subject site requires further assessment to determine if potential contaminants in soil or soil gas at the subject site present a risk to future occupants of the proposed residential development. A groundwater monitoring well was identified on the subject site and is presumed to be MW1 (New) which was installed as part of the leaking UST cleanup case. A groundwater sample should be collected from this well, if feasible, to

determine if groundwater below the subject property is impacted and poses a potential risk to future onsite occupants.

This assessment has revealed no evidence of CRECs in connection with the property.

While not considered a REC, the following items are noted for the Site:

- Structures onsite may contain asbestos-containing building materials (ACBMs), lead-based paint, and/or universal waste. It is recommended that a survey for these items is conducted prior to demolition and that identified materials be mitigated appropriately.
- Hazardous materials remaining on the subject site (55-gallon drums, containers of cleaners/solvents, etc.) should be removed by the present property owner and disposed of appropriately prior to redevelopment.

A Limited Phase II ESA was completed concurrently with this Phase I ESA by Leighton and further investigates the environmental concerns described above. Results of the soil, soil gas, and groundwater sampling completed as part of the Limited Phase II ESA are presented under separate cover (Leighton, 2019). It should be noted that significant environmental risks to property re-development were not identified during the Phase II ESA. Soil and soil gas concentrations identified above residential screening levels will likely be mitigated during the removal of onsite features (hydraulic lifts, USTs, piping, etc.) and grading activities.

In general, observations should be made during any future Site development for areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, buried wells, waste drums, tanks, staining soil or odorous soils. Should such materials be encountered, further investigation and analysis may be necessary at that time.



10.0 DEVIATIONS

Leighton did not deviate from or alter the scope of work, as defined in Section 1.3 of this report. Significant data gaps were not identified that affect the ability of Leighton to identify RECs at the subject site.

DRAFT DOCUMENT

11.0 ADDITIONAL SERVICES

Leighton did not perform work outside the scope of work as defined in Section 1.3 of this report.

DRAFT DOCUMENT

12.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

12.1 Corporate

Leighton is a California corporation, providing geotechnical and environmental consulting services throughout California. We are solely a consulting firm without interests in real property other than our office locations in Southern California. We provide professional environmental consulting services including application of science and engineering to environmental compliance, hazardous materials/waste assessment and cleanup, and management of hazardous, solid and industrial waste. Phase I Environmental Site Assessments are a part of this practice area and have been conducted by us.

12.2 Individual

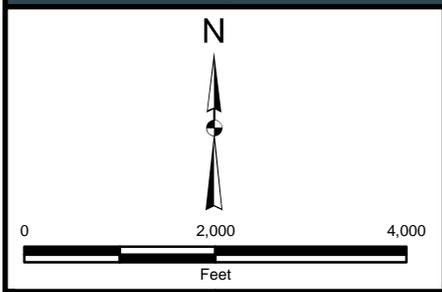
The qualifications of the Project Geologist and the other Leighton environmental professionals involved in this Phase I ESA meet the Leighton corporate requirements for performing Phase I ESAs as specified by ASTM E1527-13. In addition, Mr. Robert Lovdahl is a Professional Geologist (PG).

12.3 Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined by §312.10 of 40 CFR Part 312.

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

Robert Lovdahl, PG
Project Geologist



Project: 12289.001	Eng/Geol: RL
Scale: 1" = 2,000'	Date: February 2019
Base Map: ESRI ArcGIS Online 2019 Thematic Information: Leighton Author: Leighton Geomatics (btran)	

SITE LOCATION MAP

Toll Brothers Apartment Homes Proposed Residential Development
26126 Victoria Boulevard
Capistrano Beach, CA

Figure 1

Leighton



© 2019 Microsoft Corporation © 2019 DigitalGlobe © CNES (2019) Distribution Airbus DS

Project: 12289.001	Eng/Geol: RL
Scale: 1" = 80'	Date: March 2019
Base Map: Bing Maps, 2016-2019	
Author: Leighton Geomatics (btran)	

SITE PLAN
 Toll Brothers Apartment Homes Proposed Residential Development
 26126 Victoria Boulevard
 Capistrano Beach, CA

Figure 2



Leighton



© 2019 Microsoft Corporation © 2019 DigitalGlobe © CNES (2019) Distribution Airbus DS

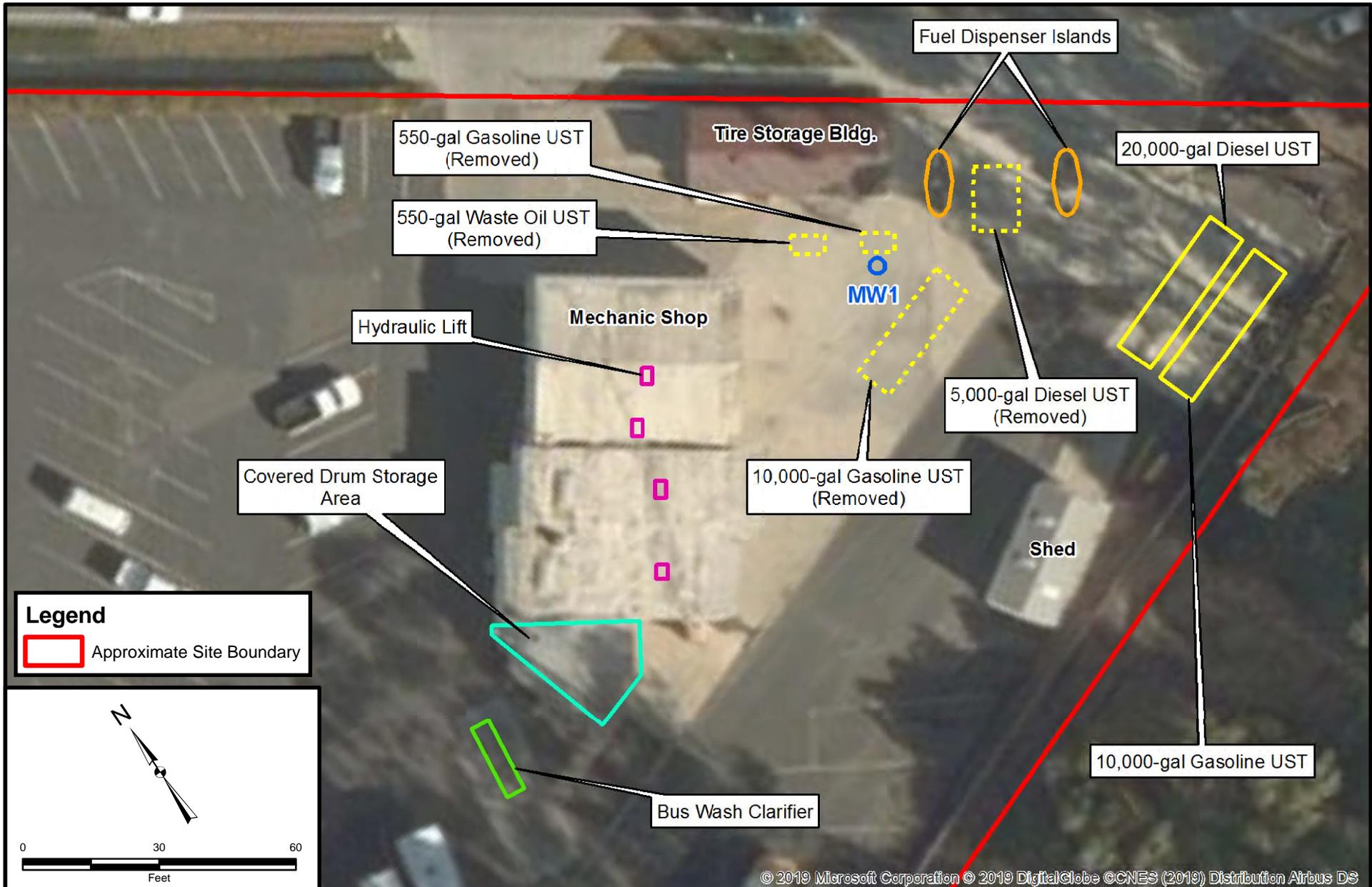
Project: 12289.001	Eng/Geol: RL
Scale: 1" = 80'	Date: March 2019
Base Map: Bing Maps, 2016 2019	
Author: Leighton Geomatics (btran)	

SITE RECONNAISSANCE MAP

Toll Brothers Apartment Homes Proposed Residential Development
26126 Victoria Boulevard
Capistrano Beach, CA

Figure 3





Project: 12289.001	Eng/Geol: RL
Scale: 1" = 30'	Date: March 2019
Base Map: ESRI ArcGIS Online 2019 Thematic Information: Leighton Author: Leighton Geomatics (btran)	

FUELING AREA AND MECHANIC SHOP

Toll Brothers Apartment Homes Proposed Residential Development
 26126 Victoria Boulevard
 Capistrano Beach, CA

Figure 4

Leighton

APPENDIX A
REFERENCES



Leighton

APPENDIX A

References

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APPENDIX B
SITE RECONNAISSANCE PHOTOS



Leighton



Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 1

View of Direction of Photo:
East

Description:

View of entry gate located at the southwest corner of the Site (near terminus of Sepulveda Avenue).



Photo No. 2

View of Direction of Photo:
Northeast

Description:

View long western margin of subject site.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 3

View of Direction of Photo:
Southeast

Description:

View along the northern margin of the subject site. Orange County Fire Station No. 29 is visible on the left side of the photo across Victoria Boulevard.



Photo No.4

View of Direction of Photo:
Southwest

Description:

View of the eastern corner of the subject site. This area houses two underground fuel tanks, two dispenser islands, and an above-ground clean air separator.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 5

View of Direction of Photo:
East

Description:
Two dispenser islands for refueling gasoline and diesel equipment. Above-ground clean air separator is visible in the background.



Photo No. 6

View of Direction of Photo:
Southeast

Description:
Location of two underground storage tanks (gasoline and diesel).





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 7

View of Direction of Photo:
Northeast

Description:
Assorted parts and small quantities of lubricants identified in the former Tire Storage Building.



Photo No. 8

View of Direction of Photo:
Southwest

Description:
Storage racks and office equipment observed in the former Tire Storage Building.





Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No. 12289.001

Photo No. 9

View of Direction of Photo:
Southeast

Description:
Equipment/furniture storage in northernmost room of the former Mechanic Shop. At least one in-ground hydraulic lift was identified in this room.



Photo No. 10

View of Direction of Photo:
Southeast

Description:
Middle room of the former Mechanic Shop contained a hydraulic lift and trench.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 11

View of Direction of Photo:
South

Description:

At least twelve (12), 55-gallon drums were stored in the middle room of the former Mechanic Shop. Many of these drums were noted to be empty or near-empty. No significant stains were observed on the concrete adjacent to the drums.



Photo No. 12

View of Direction of Photo:
Southeast

Description:

Southernmost room of the former Mechanic Shop. Storage of folding tables and small quantities of paints, cleaners, and lubricants. Hydraulic lift identified in center of room.





Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No. 12289.001

Photo No. 13

View of Direction of Photo:
North

Description:
Former drum storage area adjacent to the former Mechanic Shop. No significant stains or damaged concrete were identified.



Photo No. 14

View of Direction of Photo:
North

Description:
Former bus/vehicle wash area. Drain leads to a 3-stage clarifier (pictured) before discharging to sewer system.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 15

View of Direction of Photo:
Northwest

Description:
Pad-mounted transformer noted in the southeast portion of the subject site. No staining was noted on the concrete pad.



Photo No. 16

View of Direction of Photo:
Southeast

Description:
School desks and chairs stored under the covered section of the former Transportation Office/Serra School Building.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 17

View of Direction of Photo:
North

Description:
Storage of file cabinets, furniture, and other miscellaneous office/school equipment in the former Transportation Office/Serra School Building.



Photo No. 18

View of Direction of Photo:
East

Description:
Storage containers and picnic benches located in the central portion of the Transportation Yard.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 19

View of Direction of Photo:
West

Description:

Busses and trollies were parked in various locations in the southern portion of the Transportation Yard.



Photo No. 20

View of Direction of Photo:
West

Description:

View of the southern margin of the subject property. Possible stockpile covered with plastic observed near the southwestern corner of the Site. According to onsite personnel, this stockpile contains material used as excess backfill at school sites, as needed.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 21

View of Direction of Photo:
Northwest

Description:
Interior of the Grounds Dispatch Building. Gardening equipment and supplies are stored within this building.



Photo No. 22

View of Direction of Photo:
Southwest

Description:
Pesticides/herbicide storage within one of the caged areas inside the Grounds Dispatch Building.





Leighton and Associates, Inc.

PHOTOGRAPHIC RECORD

February 13, 2019

Client Name: Toll Brothers Apartment Living

Site Location: 26126 Victoria Blvd., Capistrano Beach, California

Project No.
12289.001

Photo No. 23

View of Direction of Photo:
Southwest

Description:
Landscaping material storage.



Photo No. 24

View of Direction of Photo:
Northeast

Description:
Interior of the "Buttler Building." Building serves as tractor/equipment parking and storage for straw waddle and sand bags.



APPENDIX C
INTERVIEW FORMS



Leighton



Phase I ESA Users Questionnaire

Project Name:

Complete and Correct Address(es) of the Property and APN(s):

User Company Name:

User Name/Title:

User Phone/Email:

Interviewee Name and Relationship to Project:

Site Owner:

Reason Phase I is required:

Type of property:

Type of property transaction (e.g., Sale, purchase, exchange):

Any scope of services beyond the ASTM Practice E 1527:

All Parties that will rely on the Phase I report:

Name and Contact Information for Site Contact:

Any special terms or conditions:

Any other pertinent knowledge or experience with the property (e.g., prior reports, documents, correspondence concerning the environmental conditions of the property):

(1). Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? Yes | No

If Yes, Describe:

(2). Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? Yes | No

If Yes, Describe:

(3). Specialized knowledge or experience of the person seeking to qualify for the Landowners Liability Protections (LLP) (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the property or the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes | No

If Yes, Describe:

(4). Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 DRF 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

Yes | No

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? Yes | No

If Yes, Describe:

(5). Commonly known or reasonable ascertainable information about the property (40 CFR 312.30).

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

(a.) Do you know the past uses of the property? Yes | No

(b.) Do you know of specific chemicals that are present or once were present at the property? Yes | No

(c.) Do you know of spills or other chemical releases that have taken place at the property? Yes | No

(d.) Do you know of any environmental cleanups that have taken place at the property? Yes | No

If Yes, Describe:

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

Based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*? Yes | No

If Yes, Describe: The site contains UST's for fuel and was used for vehicle maintenance.

Signature

Date

APPENDIX D
EDR ENVIRONMENTAL LIEN AND
AUL SEARCH REPORT



Leighton

CUSD South Transportation Yard

26126 Victoria Boulevard
Capistrano Beach, CA 92624

Inquiry Number: 5560241.7S
February 20, 2019

EDR Environmental Lien and AUL Search



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

EDR Environmental Lien and AUL Search

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

CUSD SOUTH TRANSPORTATION YARD
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CA 92624

RESEARCH SOURCE

Source 1: Recorder
Orange County, California

Source 2: Assessor
Orange County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: Serra School District of Orange County

Title received from: Petroleum Securities Company, a California corporation

Deed Dated: 09/13/1938

Deed Recorded: 09/27/1938

Book: 951

Page: 244

Land Record Comments: Conveys a portion of the subject property.

Legal Description: All that certain piece or parcel of land being Lots 1 through 31 in Block 4, Lots 1 through 12 in Block 5 and adjoining streets and alleys in Tract No. 735, Capistrano Beach, as shown on a Map recorded in Book 22, Pages 21 to 28, inclusive, of Miscellaneous Maps, situate and lying in the County of Orange, State of California.

Legal Current Owner: Capistrano Beach School District of Orange County, formerly Serra School District of Orange County (as to Lots 18 to 31, inclusive in Block 4 and all of Block 5 of Tract No. 735); and Capistrano Beach School District of Orange County (as to the remainder)

Property Identifiers: 668-361-01

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental Lien and AUL Search

DEED EXHIBIT

Ana, Township of Santa Ana, in said County of Orange, and after due public notice thereof had been given, as required by law and the practice of said Court, did duly sell at public auction the said mortgaged premises; at which sale the said premises described in said Judgment or Decree and hereinafter, were fairly struck off to said plaintiff, Jennette P. Haskell, a widow, party of the second part herein, for the sum of Four Hundred Dollars (\$400.00), said Jennette P. Haskell, a widow, being the highest bidder, and that being the highest sum offered therefor, and

WHEREAS, said party of the second part thereupon paid to said Commissioner the amount of said bid, and said Commissioner thereupon made and issued the usual certificate in duplicate of said sale, and delivered one thereof to said purchaser, and caused the other to be filed and recorded in the office of the County Recorder of said Orange County; and

WHEREAS, more than one year has elapsed since the date of said sale, and no redemption has been made of said premises sold as aforesaid;

NOW THIS INDENTURE WITNESSETH: that the said party of the first part, Commissioner as aforesaid, in order to carry into effect the sale so made by him in pursuance of said Judgment or Decree, and in conformity with the Statute in such case made and provided, and in consideration of the premises and of the said sum of Four Hundred Dollars (\$400.00), lawful money of the United States, so bidden and paid to him by said purchaser, the receipt whereof is hereby acknowledged, hath granted, bargained, sold and conveyed, and by these presents doth grant, bargain, sell and convey, unto the said party of the second part, and her heirs and assigns forever, that certain parcel of land situated in the Township of Laguna Beach, County of Orange, State of California, and described as follows, to-wit:

Lot Twelve (12) of Tract No. Eight Hundred Ninety-five (895), Aliso Beach, as shown on a Map recorded in Book 28, pages 15-16 of Miscellaneous Maps, records of Orange County, California.

TOGETHER with all and singular the tenements, hereditaments and appurtenances thereunto belonging, or in any wise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

IN WITNESS WHEREOF, I have hereunto subscribed my name as said Commissioner of Sale, the day and year first above written.

Ira Kroese Commissioner
of Sale.

STATE OF CALIFORNIA)

County of Orange)ss. On this 29th day of July, in the year of our Lord one thousand nine hundred and thirty-eight, before me, M. Ruth Anderson, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Ira Kroese known to me to be the person described in and whose name is subscribed to the within instrument, and he acknowledged to me that he executed the same as Commissioner of Sale.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

((SEAL))

M. Ruth Anderson Notary Public
in and for said County and State.

21419 Recorded at Request of Security Title Insurance & Guarantee Co. at 9 A.M., Aug. 3, 1938 in Book 951, Page 243, Official Records of Orange County, California. J. F. Sidebottom, County Recorder.

Marie West COMPARED Helen Allec

- - - oOo - - -

26579

GRANT DEED

PETROLEUM SECURITIES COMPANY, a California corporation, for and in consideration of the sum of Ten Dollars (\$10.00) to it in hand paid, the receipt of which is hereby acknowledged, does hereby grant to SERRA SCHOOL DISTRICT OF ORANGE COUNTY, all that real property situated in the County of Orange, State of California, described as follows, to-wit:

Lots 18, 19, 20, 21, 22, 25, 26, 27, 30 and 31, in Block 4, of Tract No. 735, Capistrano Beach, as shown on a Map recorded in Book 22, pages 21 to 28, inclusive, of Miscellaneous Maps, records of Orange County, California.

Excepting and reserving a Four (4) foot right of way and easement, with the right of entry upon, over, under, along, across and through the rear and side lines of all lots in said Tract, for the purpose of constructing, erecting, operating, repairing and maintaining pole lines with cross arms for the transmission of electrical energy, and for telephone lines, or telegraph and water or gas mains.

THE ABOVE DESCRIBED PROPERTY IS CONVEYED SUBJECT TO THE FOLLOWING STATED EXPRESS RESTRICTIONS:

SECTION "A" - BUSINESS All lots in Blocks 1, 2, 3, 4, and 5, shall be restricted to the following business: Hotel, Apartment House, Church, School, Office, Store, Shop, Market, Public Garage, Civic Buildings, Oil Station, Professional, Commercial or Mercantile Purposes

not prohibited by Law or Ordinance.

SECTION "B" BUSINESS AND RESIDENTIAL INCOME All lots in Section "B" are: Lots 1 to 9 inclusive, Lots 10, 12, 14, 16, 18, 20, 21, 23, 25, 26, 28, 29, 31, 33, 35, 37, 39, 41, 47, 48, 50, 52, 55, 57 to 70 inclusive, in Block 6, Lots 1 to 6 inclusive, 36, 37, 38 and 39 in Block 21, and Lots 1 to 9 inclusive, in Block 22, shall be restricted to Residence, Hotel, Apartment House, Flat, Double House, Duplex, Tenement House, Bungalow Court, Church, School, Library, Store, Shop, Market, Public Garage, Civic Buildings, Oil Station, or other Professional, Commercial or Mercantile Business Purposes not prohibited by Law or Ordinance and any building to be used for any of said purposes may have in connection therewith the customary outbuildings and private garages and may be erected placed or maintained upon the whole or any part of any one or more of said Lots except as herein otherwise provided.

SECTION "C" RESIDENTIAL INCOME All Lots in Section "C" are: Lots 11, 13, 15, 17, 19, 22, 24, 27, 30, 32, 34, 36, 38, 40, 42, 43, 44, 45, 46, 49, 51, 53, 54 and 56 in Block 6, all lots in Block 7, Lots 19 to 30 inclusive in Block 21, and all lots in Block 23, restricted to Single or Double Bungalows, or Single or Double Residences, two of either such buildings may be erected on each lot.

Set back line on all Lots in Block 6 must not be less than three feet from the front line of the lot. All other lots in this Section to be covered by general set-back clause.

SECTION "D" RESIDENTIAL INCOME All lots in Section "D" are: All lots in Blocks 8, 9, 10 and 11, restricted to Single or Double Residence, Single, or Double Bungalow, Bungalow Court, Apartment House, Church, or School.

SECTION "E" RESIDENTIAL: All lots in Section "E" are: Lots 1 to 6 inclusive in Block 12, Lots 1 to 6 inclusive in Block 13, Lots 1 to 6 inclusive in Block 14, Lots 1 to 6 inclusive in Block 15, and Lots 1 to 6 inclusive in Block 16 restricted to Single, Residences.

SECTION "F" RESIDENTIAL All lots in Section "F" are: Lots 7 to 52 inclusive in Block 12, Lots 7 to 47 inclusive in Block 13, Lots 7 to 39 inclusive in Block 14, Lots 7 to 36 inclusive in Block 15, and Lots 7 to 36 inclusive in Block 16 restricted to Single Residences.

SECTION "G" RESIDENTIAL INCOME All lots in Section "G" are: All Lots in Block 17, 18, 19, and 20 restricted to Single Residences, Double Residences, or two Single or Double Residences to each lot, excepting that right is reserved to sell Block 20 as a whole for the purpose of a private club and waiving all building restrictions except as to building materials and sanitation.

SECTION "H" VILLA SITES All lots in Section "H" are: Lots 7 to 18 inclusive and Lots 31 to 35 inclusive in Block 21, and Lots 10, 11, and 12, in Block 22, restricted to one Residence with outbuildings.

PROVIDED FURTHER: That all buildings under Section "A" shall have no height limit.

All buildings under Section "B" to be limited to two stories in height except buildings fronting on Highland Avenue or Pacific Avenue in Block 6 which shall be restricted to one story in height, excepting also any building fronting on Canon Avenue in Block 21 to be restricted to one story in height, and excepting also any building fronting on Orange Avenue in Block 22 to be restricted to one story in height.

All buildings under Sections "C" "D" "F," and "G" are restricted to one story in height.

All buildings under Sections "E" and "H" are restricted to not exceed one and one-half stories in height.

PROVIDED FURTHER: That all buildings under Section "A" shall cost and be fairly worth for labor and materials not less than \$40.00 per front foot or a minimum of \$1,000.00 for each building.

That all business buildings under Section "B" shall cost and be fairly worth not less than \$40.00 per front foot, or a minimum of \$1,000.00 for each business building; each bungalow court unit shall cost and be fairly worth not less than \$800.00; each apartment house building shall cost and be fairly worth not less than \$800.00; ^{for} each apartment unit; each single residence shall cost and be fairly worth not less than \$1,000.00; each duplex double bungalow, tenement house, school, church, or library, shall cost and be fairly worth not less than \$2,000.00.

All buildings under Section "C" shall cost and be fairly worth not less than \$1,500.00 for each single bungalow and \$2,000.00 for each double bungalow or each single or double residence.

All single residences and single bungalows under Section "D" shall cost and be fairly worth not less than \$1,500.00; double bungalow or two-family residence shall cost and be fairly worth not less than \$2,500.00; church or school house shall cost and be fairly worth not less than \$2,500.00; bungalow court shall cost and be fairly worth not less than \$1,000.00 per unit; apartment house shall cost and be fairly worth not less than \$800.00 for each apartment unit.

All single residence under Section "E" one story in height shall cost and be fairly worth not less than \$1,750.00. All single residences under Section "E" one and one-half stories in height shall cost and be fairly worth not less than \$2,000.00.

All single residences under Section "F" shall cost and be fairly worth not less than \$1,500.00.

All single residences under Section "G" shall cost and be fairly worth not less than \$1,000.00. All double residences under Section "G" shall cost and be fairly worth not less than \$1,500.00.

All residences under Section "H" shall cost and be fairly worth \$2,500.00

All private garages under Sections "A", "B", "C", "D", "E", "F", "G" AND "H" may be included in the building cost covering each Section.

PROVIDED FURTHER: That said land in whole or in part shall not be used for a cemetery, crematory, mausoleum, or for the burial of the dead, or for slaughter house or meat-packing establishment, or for hospital, orphanage, asylum, detention or reform school, dairies, dog kennels for profit, or other establishments for the sale or breeding of animals, or for lumber yards. That no fences, walls, or hedges more than four feet in height and no outside toilets or temporary buildings shall be constructed or maintained on said land or any part thereof except as hereinafter provided. Garage and Temporary Home may be erected on any lot in Tract No. 735 and must be constructed as follows: A double garage not less than 12 x 22 feet may be erected on the rear thirty feet of any lot and the front of said garage must be equipped with one set of garage doors facing the front line of the lot; on a corner lot the garage doors may face either street. One-half of the buildings may be used for living quarters for a period of three years from the date of completion and no longer, unless a residence or main building has been completed on the front of said lot prior to three years from the date of the completion of said garage and temporary living quarters. Garages not more than one story in height may be erected anywhere on any lot in Sections "B", "C" and "H." Garages built on any lot in Sections "D", "E", "F", and "G" must be built on the rear forty feet of the lot. Garages not limited in height may be erected anywhere on any lot in Section "A."

PROVIDED FURTHER: That all structures erected on any part of said land in whole or in part shall be of new material and be of brick, stone, concrete, imitation stone, concrete blocks, terra cotta, or frame with plaster or stucco exterior.

PROVIDED FURTHER: That in the case of a bungalow court the front unit thereof ONLY must face the front line of the lot. All units of a bungalow court shall be started and completed approximately at the same time, and no unit shall be occupied until all other units are fully completed and ready for occupancy. A bungalow court shall consist of a group of not less than four units.

PROVIDED FURTHER: That all roofs shall be of the flat roof type, tar and gravel composition, or sanded asphalt or asbestos shingles, with hip roof not to exceed four-to-one pitch, or slate or tile.

PROVIDED FURTHER: That each and all of the conditions contained in this Deed shall in all respects terminate and end and be of no further effect either legal or equitable after January 1, 1950, except that the restrictions under any individual Section may be changed or altered at any time prior to January 1, 1950, by a petition representing 80% of the property in that Section duly signed except the Race Restrictions which shall run with the land.

RACE RESTRICTIONS: That no part of any of said lots shall ever at any time be sold, conveyed, leased or rented to any person other than the White or Caucasian Race; that no part of any of said lots shall ever at any time be used or occupied or permitted to be used or occupied by any person other than the White or Caucasian Race, excepting such as are in the employ of the owner or tenant of said lot or lots actually residing thereon.

PROVIDED FURTHER: That no part of any building on any lot in Sections "D", "E", "F", and "G," in said Tract, excepting the front steps leading either from the house itself or from the front porch thereof shall be erected nearer than twenty feet from the front line of the lot and shall face the front line of the lot upon which it is located. It being understood that all of the Restrictions on the entire Tract shall apply to a single holding in the same respect as to a single lot providing only one building is erected on any such single holding.

PROVIDED, FURTHER, that a breach of the foregoing conditions shall cause said realty to revert to the Grantor, its successors or assigns, each of whom respectively shall have the right of immediately re-entry upon said realty, in the event of any such breach; and as to the owner or owners of any other lot in said Tract, the foregoing conditions shall operate as covenants running with the land, and the breach of any of such covenants or the continuance of any such breach may be enjoined, abated or remedied by appropriate proceedings by such Grantor, its successors or assigns, or by any such owner or owners, their heirs, devisees, executors, administrators, successors or assigns, but by no other person.

PROVIDED, ALSO, that a breach of any of the foregoing conditions, or any re-entry by reason of such breach, shall not defeat or render invalid the lien of any mortgage or deed of trust made in good faith and for value, as to said realty or any part thereof; but said conditions shall be binding upon and effective against any owner of said realty whose title thereto is acquired by foreclosure, trustee's sale or otherwise.

It is an express condition of this conveyance that the Grantor herein shall not be

responsible or liable for any promise, representation, agreement, condition or stipulation not set forth herein.

Together with all and singular the tements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

Subject to reservations, restrictions, easements, rights, rights of way, bonds, assessments, encumbrances and other matters of record, if any.

IN WITNESS WHEREOF, PETROLEUM SECURITIES COMPANY has caused its corporate signature to be hereunto subscribed and its corporate seal to be hereunto affixed by its Vice President and Secretary, thereunto duly authorized by resolution of its Board of Directors, this 13th day of September, 1938.

((CORPORATE SEAL))

PETROLEUM SECURITIES COMPANY,
By Olin Wellborn III Vice-President.
By G. W. Johnson, Jr. Secretary.

STATE OF CALIFORNIA,)
County of Los Angeles,)ss.

On this 13th day of September A. D., 1938, before me, Dicie Foglesong, a Notary Public in and for the said County and State, personally appeared Olin Wellborn, III known to me to be the Vice-President, and G. W. Johnson, Jr. known to me to be the Secretary of the Petroleum Securities Company the Corporation that executed the within Instrument, known to me to be the persons who executed the within Instrument, on behalf of the Corporation herein named, and acknowledged to me that such Corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

((SEAL))

Dicie Foglesong Notary Public
in and for said County and State.
My Commission Expires Feb. 15, 1939.

RESOLUTION

"BE IT RESOLVED by the Board of Trustees of SERRA SCHOOL DISTRICT OF ORANGE COUNTY that the deed from PETROLEUM SECURITIES COMPANY, a Corporation, to Serra School District Of Orange County dated September 13th, 1938 be and the same is hereby accepted and ordered recorded in the office of the County Recorder of Orange County, California".

STATE OF CALIFORNIA,)
County of Orange,)ss.

I, Mrs. Roy J. Leutsker, Clerk of the Board of Trustees of Serra School District of Orange County, do hereby certify that the foregoing is a full, true and correct copy of a Resolution duly passed by said Board of Trustees at a special meeting of said Board held on the 19 day of September, 1938, whereat all of the members of said Board were present and voted in favor of the passage of said Resolution and I hereby further certify that said Resolution has not been modified, rescinded or revoked.

WITNESS my hand this 19 day of September, 1938.

Mrs. Roy J. Leutsker Clerk
of the Board of Trustees of
Serra School District of Orange County.

26579 Recorded at Request of Grantee at 9 A. M., Sep. 27, 1938, in Book 951, Page 244, Official Records of Orange County, California. J. F. Sidebottom, County Recorder.

Shirley Phelps COMPARED Italy Lee

- - - oOo - - -

26580

for full reconveyance of within deed
see book 1422 page 580 of Official Records

DEED OF TRUST

WITH ASSIGNMENT OF RENTS

THIS DEED OF TRUST, made this 22nd day of September, 1938, Between W. C. LIVINGSTON and GRACE R. LIVINGSTON, husband and wife, of Orange County, California, as Trustor, LOS ANGELES TRUST and SAFE DEPOSIT COMPANY, a California Corporation, as Trustee, and SECURITY-FIRST NATIONAL BANK OF LOS ANGELES, a National Banking Association, as BENEFICIARY,

WITNESSETH: That Trustor irrevocably GRANTS, TRANSFERS, and ASSIGNS to TRUSTEE IN TRUST, WITH POWER OF SALE, the property in Orange County, California, described as:

Lot Thirteen (13) in Block Fifteen (15) of Tract No. 352, as per map thereof recorded in Book 15, at pages 15 and 16 of Miscellaneous Maps, Records of Orange County, California.

APPENDIX E
EDR RADIUS MAP WITH GEOCHECK[®]



Leighton

CUSD South Transportation Yard

26126 Victoria Boulevard

Capistrano Beach, CA 92624

Inquiry Number: 5560241.2s

February 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

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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

26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CA 92624

COORDINATES

Latitude (North): 33.4642110 - 33° 27' 51.15"
Longitude (West): 117.6748900 - 117° 40' 29.60"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 437284.8
UTM Y (Meters): 3702762.2
Elevation: 50 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640932 DANA POINT, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140603
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH, CA 92624

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	C U S D TRANSPORTATI	26126 VICTORIA	LUST, HIST CORTESE, NPDES, CIWQS		TP
A2	CAPISTRANO UNIFIED S	26126 VICTORIA BLVD	LUST		TP
A3	CAPISTRANO USD	26126 VICTORIA BLVD	RCRA-SQG, FINDS, ECHO		TP
A4	C U S D TRANSPORTATI	26126 VICTORIA	RGA LUST		TP
A5	CUSD TRANSPORTATION	26126 VICTORIA BLVD	UST, SWEEPS UST		TP
A6	CAPISTRANO UNIFIED S	26126 VICTORIA	RGA LUST		TP
A7	C U S D TRANSPORTATI	26126 VICTORIA BLVD	RGA LUST		TP
A8	C U S D TRANSPORTATI	26126 VICTORIA	RGA LUST		TP
A9	CAPISTRANO SCHOOL DI	26126 VICTORIA BLVD.	WDS		TP
A10	C U S D TRANSPORTATI	26126 VICTORIA	FINDS		TP
A11	CUSD/TRANSPORTATION	26126 VICTORIA BLVD	HAZNET		TP
A12	CAPISTRANO UNIFIED S	26126 VICTORIA BLVD	RGA LUST		TP
B13	STATION 29	26111 VICTORIA BLVD	HIST UST	Lower	99, 0.019, NNE
B14	ORANGE COUNTY FIRE S	26111 VICTORIA	LUST, HIST CORTESE	Lower	99, 0.019, NNE
B15	ORANGE COUNTY FIRE S	26111 VICTORIA BLVD	LUST	Lower	99, 0.019, NNE
B16	OR COUNTY FIRE STATI	26111 VICTORIA BLVD	UST, SWEEPS UST	Lower	99, 0.019, NNE
C17	VALVOLINE INSTANT OI	34242 DOHENY PARK RO	AST	Lower	522, 0.099, WNW
C18	REE INDUSTRIAL	34242 DOHENY PARK RD	LUST, HAZNET, HIST CORTESE	Lower	522, 0.099, WNW
D19	CAPISTRANO LUMBER CO	34162 DOHENY PARK RD	LUST, HIST CORTESE	Lower	793, 0.150, NNW
D20	CAPISTRANO LUMBER	34162 DOHENY PARK RD	LUST	Lower	793, 0.150, NNW
D21	LP CAPISTRANO BEACH	34162 DOHENY PARK RD	HIST UST	Lower	793, 0.150, NNW
E22	TEXACO SERVICE STATI	34241 DOHENY PARK RD	RCRA NonGen / NLR, FINDS, ECHO	Lower	900, 0.170, WNW
E23	DOHENY VILLAGE HAND	34241 DOHENY PARK RD	UST	Lower	900, 0.170, WNW
F24	RICHARD J DEFFENBAUG	34342 COAST HWY	HIST UST	Lower	918, 0.174, WSW
D25	CAPO BEACH SERVICE S	34131 DOHENY PARK RD	UST	Lower	936, 0.177, NW
D26	UNION OIL SERV. STAT	34131 DOHENY PARK RD	HIST UST	Lower	936, 0.177, NW
D27	UNOCAL SS#5385	34131 DOHENY PARK	LUST, HIST CORTESE	Lower	936, 0.177, NW
D28	UNOCAL #5385	34131 DOHENY PARK RD	SWEEPS UST	Lower	936, 0.177, NW
D29	TOSCO CORPORATION ST	34131 DOHENY PARK RD	HIST UST, HAZNET	Lower	936, 0.177, NW
D30	UNOCAL COP #5385	34131 DOHENY PARK RD	LUST	Lower	936, 0.177, NW
D31	STATION #5385	34131 DOHENY PARK RD	HIST UST	Lower	936, 0.177, NW
32	SAN JUAN CREEK PROPE	34500 BLK-WEST OF DO	ENVIROSTOR	Lower	936, 0.177, West
F33	CHEVRON STATION NO 9	34164 COAST HWY	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	940, 0.178, WSW
F34	DANA POINT CHEVRON #	34164 COAST HWY	SWEEPS UST	Lower	940, 0.178, WSW
F35	97460	34164 COAST HWY	HIST UST	Lower	940, 0.178, WSW
F36	DANA POINT CHEVRON #	34164 COAST HWY	LUST, CA FID UST	Lower	940, 0.178, WSW
G37	FORMER EXXON STATION	34295 DOHENY PARK RD	LUST, HIST CORTESE	Lower	971, 0.184, West
G38	EXXONMOBILE OIL CORP	34295 DOHENY PARK RD	RCRA-SQG, HAZNET	Lower	971, 0.184, West
D39	FORMER DOHENY VILLAG	34073 DOHENY PARK RO	CPS-SLIC	Lower	1000, 0.189, NNW

MAPPED SITES SUMMARY

Target Property Address:
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH, CA 92624

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	KENT CLEANERS, YOO J	34073 DOHENY PARK RD	DRYCLEANERS	Lower	1000, 0.189, NNW
D41	KENT CLEANERS	34073 DOHENY PARK RD	DRYCLEANERS, EMI	Lower	1000, 0.189, NNW
E42	HOBIE SURF BOARDS	25842 DOMINGO AVE	UST	Lower	1142, 0.216, WNW
H43	VICTORIA FIELD OFFIC	25842 VICTORIA BOULE	CPS-SLIC	Lower	1272, 0.241, NW
H44	BARTS IRON DESIGN IN	25830 VICTORIA BLVD	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	1319, 0.250, NW
H45	BARTS IRON DESIGN IN	25830 VICTORIA BLVD	RCRA-SQG	Lower	1319, 0.250, NW
H46	CANNON BART INC	25742 VICTORIA	LUST, HIST CORTESE	Lower	1402, 0.266, NW
47	CAPISTRANO REALTY	34656 PACIFIC COAST	LUST, HIST CORTESE	Lower	1615, 0.306, SSE
I48	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST	Higher	1705, 0.323, SSE
49	PRICE CLUB #429	33961 DOHENY PARK RO	ENVIROSTOR	Lower	1723, 0.326, North
I50	LIND RESIDENCE	34655 CAMINO CAPISTR	LUST	Higher	1812, 0.343, SSE
J51	CAPISTRANO SURF CENT	34700 PACIFIC COAST	LUST, HIST CORTESE	Lower	2147, 0.407, SSE
J52	CAPISTRANO SURF CENT	34700 PACIFIC COAST	LUST	Lower	2147, 0.407, SSE
K53	SO ORANGE CO. WASTEWA	34152 DEL OBISPO ST	LUST, EMI	Lower	2541, 0.481, WNW
K54	SOUTH EAST REGIONAL	34152 DEL OBISPO ST	LUST, SWEEPS UST, CA FID UST, HIST CORTESE, NPDES,...	Lower	2541, 0.481, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
C U S D TRANSPORTATI 26126 VICTORIA DANA POINT, CA 92624	LUST Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018 Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Facility Id: 90UT028 Global Id: T0605902398 HIST CORTESE Reg Id: 9UT1623 NPDES CIWQS	N/A
CAPISTRANO UNIFIED S 26126 VICTORIA BLVD CAPISTRANO BEACH, CA 92624	LUST Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 7/26/00 Status: Case Closed Case Number: 9UT1623	N/A
CAPISTRANO USD 26126 VICTORIA BLVD CAPISTRANO BEACH, CA 92624	RCRA-SQG EPA ID:: CAD981968951 FINDS Registry ID:: 110002759426 ECHO Registry ID: 110002759426	CAD981968951
C U S D TRANSPORTATI 26126 VICTORIA DANA POINT, CA	RGA LUST	N/A
CUSD TRANSPORTATION 26126 VICTORIA BLVD CAPISTRANO BEACH, CA 92624	UST Database: ORANGE CO. UST, Date of Government Version: 10/04/2018 Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0025179 Facility Id: 7227 Facility Id: FA0025179 SWEEPS UST Status: A Tank Status: A Comp Number: 7227	N/A
CAPISTRANO UNIFIED S 26126 VICTORIA CAPISTRANO BEACH, CA	RGA LUST	N/A
C U S D TRANSPORTATI 26126 VICTORIA BLVD CAPISTRANO BEACH, CA	RGA LUST	N/A

EXECUTIVE SUMMARY

C U S D TRANSPORTATI 26126 VICTORIA CAPISTRANO BEACH, CA	RGA LUST	N/A
CAPISTRANO SCHOOL DI 26126 VICTORIA BLVD. CAPISTRANO BEACH, CA 92624	WDS Facility Status: A Facility Id: 9 30I001966	N/A
C U S D TRANSPORTATI 26126 VICTORIA DANA POINT, CA 92624	FINDS Registry ID:: 110066508899	N/A
CUSD/TRANSPORTATION 26126 VICTORIA BLVD CAPISTRANO BEACH, CA 92624	HAZNET GEPAID: CAL000036918	N/A
CAPISTRANO UNIFIED S 26126 VICTORIA BLVD CAPISTRANO BEACH, CA	RGA LUST	N/A

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

EXECUTIVE SUMMARY

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

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

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT.....	Waste Management Unit Database
SWRCY.....	Recycler Database
HAULERS.....	Registered Waste Tire Haulers Listing
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
Toxic Pits.....	Toxic Pits Cleanup Act Sites
CERS HAZ WASTE.....	CERS HAZ WASTE
US CDL.....	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CERS TANKS.....	California Environmental Reporting System (CERS) Tanks
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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
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

EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CERS.....	CERS
WIP.....	Well Investigation Program Case List
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

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

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 generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CHEVRON STATION NO 9</i> EPA ID:: CAR000119834	<i>34164 COAST HWY</i>	<i>WSW 1/8 - 1/4 (0.178 mi.)</i>	<i>F33</i>	<i>45</i>
<i>EXXONMOBILE OIL CORP</i> EPA ID:: CAR000216119	<i>34295 DOHENY PARK RD</i>	<i>W 1/8 - 1/4 (0.184 mi.)</i>	<i>G38</i>	<i>58</i>
<i>BARTS IRON DESIGN IN</i> EPA ID:: CAD983650573	<i>25830 VICTORIA BLVD</i>	<i>NW 1/8 - 1/4 (0.250 mi.)</i>	<i>H44</i>	<i>66</i>
BARTS IRON DESIGN IN EPA ID:: CAD983650581	25830 VICTORIA BLVD	NW 1/8 - 1/4 (0.250 mi.)	H45	68

EXECUTIVE SUMMARY

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 10/29/2018 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAN JUAN CREEK PROPE Facility Id: 30000006 Status: Refer: 1248 Local Agency	34500 BLK-WEST OF DO	W 1/8 - 1/4 (0.177 mi.)	32	44
PRICE CLUB #429 Facility Id: 71003435 Status: Inactive - Needs Evaluation	33961 DOHENY PARK RO	N 1/4 - 1/2 (0.326 mi.)	49	76

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 17 LUST 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>
PRIVATE RESIDENCE Database: LUST, Date of Government Version: 12/10/2018 Status: Completed - Case Closed Global Id: T0605958904	PRIVATE RESIDENCE	SSE 1/4 - 1/2 (0.323 mi.)	I48	75
LIND RESIDENCE Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018 Database: LUST REG 9, Date of Government Version: 03/01/2001 Facility Id: 00UT037 Status: Preliminary site assessment underway Case Number: 9UT4098	34655 CAMINO CAPISTR	SSE 1/4 - 1/2 (0.343 mi.)	I50	77
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ORANGE COUNTY FIRE S Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018 Database: LUST, Date of Government Version: 12/10/2018	26111 VICTORIA	NNE 0 - 1/8 (0.019 mi.)	B14	22

EXECUTIVE SUMMARY

Status: Completed - Case Closed				
Facility Id: 93UT054				
Global Id: T0605902486				
ORANGE COUNTY FIRE S	26111 VICTORIA BLVD	NNE 0 - 1/8 (0.019 mi.)	B15	23
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Closed Date: 12/31/98				
Status: Case Closed				
Case Number: 9UT2480				
REE INDUSTRIAL	34242 DOHENY PARK RD	WNW 0 - 1/8 (0.099 mi.)	C18	26
Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018				
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Closed Date: 6/19/92				
Facility Id: 86UT044				
Status: Case Closed				
Global Id: T0605902582				
Case Number: 9UT415				
CAPISTRANO LUMBER CO	34162 DOHENY PARK RD	NNW 1/8 - 1/4 (0.150 mi.)	D19	29
Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 86UT036				
Global Id: T0605902616				
CAPISTRANO LUMBER	34162 DOHENY PARK RD	NNW 1/8 - 1/4 (0.150 mi.)	D20	30
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Closed Date: 8/13/87				
Status: Case Closed				
Case Number: 9UT83				
UNOCAL SS#5385	34131 DOHENY PARK	NW 1/8 - 1/4 (0.177 mi.)	D27	36
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Status: Remediation Plan				
Case Number: 9UT1124				
UNOCAL COP #5385	34131 DOHENY PARK RD	NW 1/8 - 1/4 (0.177 mi.)	D30	40
Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 89UT007				
Global Id: T0605902362				
DANA POINT CHEVRON #	34164 COAST HWY	WSW 1/8 - 1/4 (0.178 mi.)	F36	50
Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Completed - Case Closed				
Facility Id: 87UT052				
Global Id: T0605902500				
FORMER EXXON STATION	34295 DOHENY PARK RD	W 1/8 - 1/4 (0.184 mi.)	G37	52
Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018				
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 12/10/2018				
Status: Open - Eligible for Closure				
Facility Id: 99UT010				
Status: Preliminary site assessment workplan submitted				

EXECUTIVE SUMMARY

Global Id: T0605902575
Case Number: 9UT3830

CANNON BART INC **25742 VICTORIA** **NW 1/4 - 1/2 (0.266 mi.)** **H46** **69**

Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Facility Id: 86UT047
Status: Remedial action (cleanup) Underway
Global Id: T0605902604
Case Number: 9UT694

CAPISTRANO REALTY **34656 PACIFIC COAST** **SSE 1/4 - 1/2 (0.306 mi.)** **47** **71**

Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Closed Date: 1/2/92
Facility Id: 88UT196
Status: Case Closed
Global Id: T0605902371
Case Number: 9UT1224

CAPISTRANO SURF CENT **34700 PACIFIC COAST** **SSE 1/4 - 1/2 (0.407 mi.)** **J51** **78**

Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Closed Date: 6/11/98
Status: Case Closed
Global Id: T0605902559
Case Number: 9UT3659

CAPISTRANO SURF CENT **34700 PACIFIC COAST** **SSE 1/4 - 1/2 (0.407 mi.)** **J52** **80**

Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018
Facility Id: 98UT038

SO ORANGE CO. WASTE W **34152 DEL OBISPO ST** **WNW 1/4 - 1/2 (0.481 mi.)** **K53** **80**

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 5/11/90
Status: Case Closed
Case Number: 9UT764

SOUTH EAST REGIONAL **34152 DEL OBISPO ST** **WNW 1/4 - 1/2 (0.481 mi.)** **K54** **84**

Database: ORANGE CO. LUST, Date of Government Version: 10/04/2018
Database: LUST, Date of Government Version: 12/10/2018
Status: Completed - Case Closed
Facility Id: 89UT189
Global Id: T0605902609

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 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER DOHENY VILLAG Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Completed - Case Closed Global Id: T10000008304	34073 DOHENY PARK RO	NNW 1/8 - 1/4 (0.189 mi.)	D39	61
VICTORIA FIELD OFFIC Database: CPS-SLIC, Date of Government Version: 12/10/2018 Facility Status: Completed - Case Closed Global Id: SLT9S0184225	25842 VICTORIA BOULE	NW 1/8 - 1/4 (0.241 mi.)	H43	65

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 4 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OR COUNTY FIRE STATI Database: UST, Date of Government Version: 12/10/2018 Facility Id: 6069	26111 VICTORIA BLVD	NNE 0 - 1/8 (0.019 mi.)	B16	24
DOHENY VILLAGE HAND Database: ORANGE CO. UST, Date of Government Version: 10/04/2018 Database: UST, Date of Government Version: 12/10/2018 Facility Id: FA0024834 Facility Id: FA0024834	34241 DOHENY PARK RD	WNW 1/8 - 1/4 (0.170 mi.)	E23	33
CAPO BEACH SERVICE S Database: ORANGE CO. UST, Date of Government Version: 10/04/2018 Database: UST, Date of Government Version: 12/10/2018 Database: UST CLOSURE, Date of Government Version: 12/10/2018 Facility Id: 4445 Facility Id: FA0055246 Facility Id: FA0055246	34131 DOHENY PARK RD	NW 1/8 - 1/4 (0.177 mi.)	D25	34
HOBIE SURF BOARDS Database: UST, Date of Government Version: 12/10/2018 Facility Id: 8765	25842 DOMINGO AVE	WNW 1/8 - 1/4 (0.216 mi.)	E42	65

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>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VALVOLINE INSTANT OI Database: AST, Date of Government Version: 07/06/2016	34242 DOHENY PARK RO	WNW 0 - 1/8 (0.099 mi.)	C17	25

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OR COUNTY FIRE STATI Status: A Tank Status: A Comp Number: 6069	26111 VICTORIA BLVD	NNE 0 - 1/8 (0.019 mi.)	B16	24
UNOCAL #5385 Status: A Tank Status: A Comp Number: 4445	34131 DOHENY PARK RD	NW 1/8 - 1/4 (0.177 mi.)	D28	37
DANA POINT CHEVRON # Status: A Tank Status: A Comp Number: 2084	34164 COAST HWY	WSW 1/8 - 1/4 (0.178 mi.)	F34	48

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 7 HIST UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STATION 29 Facility Id: 00000027185	26111 VICTORIA BLVD	NNE 0 - 1/8 (0.019 mi.)	B13	21
LP CAPISTRANO BEACH Facility Id: 00000055003	34162 DOHENY PARK RD	NNW 1/8 - 1/4 (0.150 mi.)	D21	31
RICHARD J DEFFENBAUG Facility Id: 00000026515	34342 COAST HWY	WSW 1/8 - 1/4 (0.174 mi.)	F24	33
UNION OIL SERV. STAT Facility Id: 00000020042	34131 DOHENY PARK RD	NW 1/8 - 1/4 (0.177 mi.)	D26	35
TOSCO CORPORATION ST STATION #5385 Facility Id: 00000043666	34131 DOHENY PARK RD 34131 DOHENY PARK RD	NW 1/8 - 1/4 (0.177 mi.) NW 1/8 - 1/4 (0.177 mi.)	D29 D31	38 43
97460 Facility Id: 00000063000	34164 COAST HWY	WSW 1/8 - 1/4 (0.178 mi.)	F35	49

EXECUTIVE SUMMARY

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>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DANA POINT CHEVRON # Facility Id: 30005083 Status: A	34164 COAST HWY	WSW 1/8 - 1/4 (0.178 mi.)	F36	50

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TEXACO SERVICE STATI EPA ID:: CAR000110379	34241 DOHENY PARK RD	WNW 1/8 - 1/4 (0.170 mi.)	E22	31

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

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KENT CLEANERS, YOO J Database: DRYCLEAN SOUTH COAST, Date of Government Version: 10/04/2018	34073 DOHENY PARK RD	NNW 1/8 - 1/4 (0.189 mi.)	D40	62
KENT CLEANERS Database: DRYCLEANERS, Date of Government Version: 08/30/2018 Database: DRYCLEAN SOUTH COAST, Date of Government Version: 10/04/2018 EPA Id: CAD981396302 EPA Id: CAL000286494	34073 DOHENY PARK RD	NNW 1/8 - 1/4 (0.189 mi.)	D41	62

EXECUTIVE SUMMARY

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 9 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ORANGE COUNTY FIRE S Reg Id: 9UT2480	26111 VICTORIA	NNE 0 - 1/8 (0.019 mi.)	B14	22
REE INDUSTRIAL Reg Id: 9UT415	34242 DOHENY PARK RD	WNW 0 - 1/8 (0.099 mi.)	C18	26
CAPISTRANO LUMBER CO Reg Id: 9UT83	34162 DOHENY PARK RD	NNW 1/8 - 1/4 (0.150 mi.)	D19	29
UNOCAL SS#5385 Reg Id: 9UT1124	34131 DOHENY PARK	NW 1/8 - 1/4 (0.177 mi.)	D27	36
FORMER EXXON STATION Reg Id: 9UT3830	34295 DOHENY PARK RD	W 1/8 - 1/4 (0.184 mi.)	G37	52
CANNON BART INC Reg Id: 9UT694	25742 VICTORIA	NW 1/4 - 1/2 (0.266 mi.)	H46	69
CAPISTRANO REALTY Reg Id: 9UT1224	34656 PACIFIC COAST	SSE 1/4 - 1/2 (0.306 mi.)	47	71
CAPISTRANO SURF CENT Reg Id: 9UT3659	34700 PACIFIC COAST	SSE 1/4 - 1/2 (0.407 mi.)	J51	78
SOUTH EAST REGIONAL Reg Id: 9UT764	34152 DEL OBISPO ST	WNW 1/4 - 1/2 (0.481 mi.)	K54	84

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name

MONARCH BEACH RESORT
SHELL OIL

Database(s)

DRYCLEANERS
LUST

OVERVIEW MAP - 5560241.2S



 Target Property

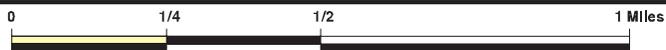
 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 State Wetlands

 Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: CUSD South Transportation Yard
 ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach CA 92624
 LAT/LONG: 33.464211 / 117.67489

CLIENT: Leighton and Associates, Inc.
 CONTACT: Robert Lovdahl
 INQUIRY #: 5560241.2s
 DATE: February 12, 2019 1:54 pm

DETAIL MAP - 5560241.2S



-  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
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: CUSD South Transportation Yard ADDRESS: 26126 Victoria Boulevard Capistrano Beach CA 92624 LAT/LONG: 33.464211 / 117.67489	CLIENT: Leighton and Associates, Inc. CONTACT: Robert Lovdahl INQUIRY #: 5560241.2s DATE: February 12, 2019 1:59 pm
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<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	0.001		0	NR	NR	NR	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	0	NR	0
<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		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	0	4	NR	NR	NR	5
RCRA-CESQG	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	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	1	1	0	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500	2	3	6	8	NR	NR	19

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	2	0	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	1	3	NR	NR	NR	5
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	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	1	2	NR	NR	NR	4
HIST UST	0.250		1	6	NR	NR	NR	7
CA FID UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
Orange Co. Industrial Site	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	2	0	NR	NR	NR	NR	2
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
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	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 C U S D TRANSPORTATION YARD
Target 26126 VICTORIA
Property DANA POINT, CA 92624

LUST U003147548
HIST CORTESE N/A
NPDES
CIWQS

Site 1 of 12 in cluster A

Actual:
50 ft.

LUST:

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902398
Global Id: T0605902398
Latitude: 33.464217
Longitude: -117.67473
Status: Completed - Case Closed
Status Date: 07/26/2000
Case Worker: JS
RB Case Number: 9UT1623
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 9OUT028
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605902398
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902398
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605902398
Action Type: Other
Date: 12/27/1989
Action: Leak Reported

Global Id: T0605902398
Action Type: ENFORCEMENT
Date: 07/26/2000
Action: Closure/No Further Action Letter

Global Id: T0605902398
Action Type: Other
Date: 12/27/1989
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C U S D TRANSPORTATION YARD (Continued)

U003147548

LUST:

Global Id: T0605902398
Status: Completed - Case Closed
Status Date: 07/26/2000

Global Id: T0605902398
Status: Open - Case Begin Date
Status Date: 12/27/1989

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 90UT028
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 07/26/2000
Record ID: RO0001513

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1623

NPDES:

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: 9 30I001966
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 08/28/2015
Operator Name: Capistrano Unified School District
Operator Address: 2B Liberty
Operator City: Aliso Viejo
Operator State: California
Operator Zip: 92656

NPDES as of 03/2018:

NPDES Number: CAS000001
Status: Terminated
Agency Number: 0
Region: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C U S D TRANSPORTATION YARD (Continued)

U003147548

Regulatory Measure ID: 214851
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 9 30I001966
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/30/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 08/28/2015
Discharge Name: Capistrano Unified School District
Discharge Address: 2B Liberty
Discharge City: Aliso Viejo
Discharge State: California
Discharge Zip: 92656
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C U S D TRANSPORTATION YARD (Continued)

U003147548

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	214851
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 301001966
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:	08/28/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/30/1992
Status:	Terminated
Status Date:	08/28/2015
Place Size:	5
Place Size Unit:	Acres
Contact:	Merit Whitney
Contact Title:	Not reported
Contact Phone:	949-234-9979
Contact Phone Ext:	Not reported
Contact Email:	mjwhitney@capousd.org
Operator Name:	Capistrano Unified School District
Operator Address:	2B Liberty
Operator City:	Aliso Viejo
Operator State:	California
Operator Zip:	92656
Operator Contact:	Merit Whitney
Operator Contact Title:	Not reported
Operator Contact Phone:	949-234-9979
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mjwhitney@capousd.org
Operator Type:	Other
Developer:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C U S D TRANSPORTATION YARD (Continued)

U003147548

Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 949-489-7349
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Pacific Ocean
Certifier: Carlos Chicas
Certifier Title: Director of Transportation
Certification Date: 22-JUN-15
Primary Sic: 4151-School Buses
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Agency: Capistrano Unified School District
Agency Address: 2B Liberty, Aliso Viejo, CA 92656
Place/Project Type: Industrial - School Buses
SIC/NAICS: 4151
Region: 9
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 9 30I001966
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/30/1992
Termination Date: 08/28/2015
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C U S D TRANSPORTATION YARD (Continued)

U003147548

Latitude: 33.46484
Longitude: -117.67457

A2 **CAPISTRANO UNIFIED SCHOOL DIST**
Target **26126 VICTORIA BLVD**
Property: **CAPISTRANO BEACH, CA 92624**

LUST **S102426309**
 N/A

Site 2 of 12 in cluster A

Actual:
50 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1623
Local Case: 90UT28
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: Orange
How Found: Tank Test
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 12/27/1989
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 2/22/90
Prelim Assess: 01/03/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/27/1989
Enforce Date: Not reported
Closed Date: 7/26/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 17.5
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: High priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3 **CAPISTRANO USD**
Target **26126 VICTORIA BLVD**
Property **CAPISTRANO BEACH, CA 92624**

RCRA-SQG **1000840830**
FINDS **CAD981968951**
ECHO

Site 3 of 12 in cluster A

Actual:
50 ft.

RCRA-SQG:
Date form received by agency: 07/31/1992
Facility name: CAPISTRANO USD
Facility address: 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624

EPA ID: CAD981968951
Mailing address: VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624

Contact: ADOLPH OLIVARES
Contact address: 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624

Contact country: US
Contact telephone: 714-489-7349
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: CAPISTRANO USD
Owner/operator address: 32972 CALLE PERFECTO
 SAN JUAN CAPISTRANO, CA 92675

Owner/operator country: Not reported
Owner/operator telephone: 714-489-7000
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: District
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAPISTRANO USD (Continued)

1000840830

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

Violation Status: No violations found

FINDS:

Registry ID: 110002759426

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: 1000840830
 Registry ID: 110002759426
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002759426>

**A4
 Target
 Property**

**C U S D TRANSPORTATION YARD
 26126 VICTORIA
 DANA POINT, CA**

**RGA LUST S114588774
 N/A**

Site 4 of 12 in cluster A

**Actual:
 50 ft.**

RGA LUST:

2012	C U S D TRANSPORTATION YARD	26126 VICTORIA
2011	C U S D TRANSPORTATION YARD	26126 VICTORIA
2010	C U S D TRANSPORTATION YARD	26126 VICTORIA
2009	C U S D TRANSPORTATION YARD	26126 VICTORIA
2008	C U S D TRANSPORTATION YARD	26126 VICTORIA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5 CUSD TRANSPORTATION CENTER
Target 26126 VICTORIA BLVD
Property CAPISTRANO BEACH, CA 92624

UST U003432830
SWEEPS UST N/A

Site 5 of 12 in cluster A

Actual:
50 ft.

UST:
Facility ID: 7227
Permitting Agency: ORANGE COUNTY
Latitude: 33.46556
Longitude: -117.673541

Facility ID: FA0025179
Permitting Agency: Orange County Environmental Health
Latitude: 33.46421
Longitude: -117.67489

ORANGE CO. UST:
Facility ID: FA0025179

SWEEPS UST:
Status: Not reported
Comp Number: 7227
Number: Not reported
Board Of Equalization: 44-016583
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-007227-000003
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 2

Status: Not reported
Comp Number: 7227
Number: Not reported
Board Of Equalization: 44-016583
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-007227-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 7227
Number: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUSD TRANSPORTATION CENTER (Continued)

U003432830

Board Of Equalization: 44-016583
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-007227-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 7227
Number: 9
Board Of Equalization: 44-016583
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-007227-000002
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

**A6
Target
Property**

**CAPISTRANO UNIFIED SCHOOL DIST
26126 VICTORIA
CAPISTRANO BEACH, CA**

**RGA LUST S114592321
N/A**

Site 6 of 12 in cluster A

**Actual:
50 ft.**

RGA LUST: 1992 CAPISTRANO UNIFIED SCHOOL DIST 26126 VICTORIA

**A7
Target
Property**

**C U S D TRANSPORTATION YARD
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA**

**RGA LUST S114588772
N/A**

Site 7 of 12 in cluster A

**Actual:
50 ft.**

RGA LUST: 2003 C U S D TRANSPORTATION YARD 26126 VICTORIA BLVD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A8 **C U S D TRANSPORTATION YARD**
Target **26126 VICTORIA**
Property **CAPISTRANO BEACH, CA**

RGA LUST **S114588773**
N/A

Site 8 of 12 in cluster A

Actual: RGA LUST:
50 ft.

2007	C U S D TRANSPORTATION YARD	26126 VICTORIA
2006	C U S D TRANSPORTATION YARD	26126 VICTORIA
2005	C U S D TRANSPORTATION YARD	26126 VICTORIA

A9 **CAPISTRANO SCHOOL DISTRICT**
Target **26126 VICTORIA BLVD.**
Property **CAPISTRANO BEACH, CA 92624**

WDS **S106105442**
N/A

Site 9 of 12 in cluster A

Actual: WDS:
50 ft.

Facility ID:	San Diego 30I001966
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	CAPISTRANO UNIFIED SCH DIST
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO SCHOOL DISTRICT (Continued)

S106105442

management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

**A10
Target
Property**

**C U S D TRANSPORTATION YARD
26126 VICTORIA
DANA POINT, CA 92624**

**FINDS 1023354259
N/A**

Site 10 of 12 in cluster A

**Actual:
50 ft.**

FINDS:

Registry ID: 110066508899

Environmental Interest/Information System
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A11
Target
Property**

**CUSD/TRANSPORTATION
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

**HAZNET S113036234
N/A**

Site 11 of 12 in cluster A

**Actual:
50 ft.**

HAZNET:

envid: S113036234
Year: 2011
GEPaid: CAL000036918
Contact: KIRSTEN ROSS
Telephone: 9492349403
Mailing Name: Not reported
Mailing Address: 33122 VALLE RD
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926754706
Gen County: Not reported
TSD EPA ID: AZR000501510
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.75
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113036234
Year: 2011
GEPaid: CAL000036918
Contact: KIRSTEN ROSS
Telephone: 9492349403
Mailing Name: Not reported
Mailing Address: 33122 VALLE RD
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926754706

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUSD/TRANSPORTATION (Continued)

S113036234

Gen County: Not reported
TSD EPA ID: AZR000501510
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.75
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113036234
Year: 2011
GEPaid: CAL000036918
Contact: KIRSTEN ROSS
Telephone: 9492349403
Mailing Name: Not reported
Mailing Address: 33122 VALLE RD
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926754706
Gen County: Not reported
TSD EPA ID: AZR000501510
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.75
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113036234
Year: 2011
GEPaid: CAL000036918
Contact: KIRSTEN ROSS
Telephone: 9492349403
Mailing Name: Not reported
Mailing Address: 33122 VALLE RD
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926754706
Gen County: Not reported
TSD EPA ID: AZR000501510
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.75
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113036234
Year: 2011
GEPaid: CAL000036918
Contact: KIRSTEN ROSS
Telephone: 9492349403
Mailing Name: Not reported
Mailing Address: 33122 VALLE RD
Mailing City,St,Zip: SAN JUAN CAPISTRANO, CA 926754706

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CUSD/TRANSPORTATION (Continued)

S113036234

Gen County: Not reported
 TSD EPA ID: AZR000501510
 TSD County: Not reported
 Waste Category: Unspecified aqueous solution
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.75
 Cat Decode: Not reported
 Method Decode: Not reported
 Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access 7 additional CA_HAZNET: record(s) in the EDR Site Report.

A12
Target
Property

CAPISTRANO UNIFIED SCHOOL DIST
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA

RGA LUST **S114592320**
N/A

Site 12 of 12 in cluster A

Actual:
50 ft.

RGA LUST:

2002	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
2000	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
1998	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
1997	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
1996	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
1995	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
1994	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD
1993	CAPISTRANO UNIFIED SCHOOL DIST	26126 VICTORIA BLVD

B13
NNE
< 1/8
0.019 mi.
99 ft.

STATION 29
26111 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

HIST UST **U001576759**
N/A

Site 1 of 4 in cluster B

Relative:
Lower
Actual:
44 ft.

HIST UST:

File Number: 0002EC48
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EC48.pdf>
 Region: STATE
 Facility ID: 00000027185
 Facility Type: Other
 Other Type: FIRE DEPARTMENT
 Contact Name: BATTALION CHIEF BOB MILLER
 Telephone: 7144969354
 Owner Name: ORANGE COUNTY FIRE DEPARTMENT
 Owner Address: 180 SO. WATER STREET
 Owner City,St,Zip: ORANGE, CA 92666
 Total Tanks: 0002

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STATION 29 (Continued)

U001576759

Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

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

B14
NNE
< 1/8
0.019 mi.
99 ft.

ORANGE COUNTY FIRE STATION #29
26111 VICTORIA
DANA POINT, CA 92624

LUST S100926522
HIST CORTESE N/A

Site 2 of 4 in cluster B

Relative:
Lower
Actual:
44 ft.

LUST:
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902486
Global Id: T0605902486
Latitude: 33.4649857
Longitude: -117.6745213
Status: Completed - Case Closed
Status Date: 12/31/1998
Case Worker: JS
RB Case Number: 9UT2480
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 93UT054
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0605902486
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902486
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY FIRE STATION #29 (Continued)

S100926522

LUST:

Global Id: T0605902486
Action Type: Other
Date: 05/18/1993
Action: Leak Reported

Global Id: T0605902486
Action Type: Other
Date: 05/18/1993
Action: Leak Discovery

LUST:

Global Id: T0605902486
Status: Completed - Case Closed
Status Date: 12/31/1998

Global Id: T0605902486
Status: Open - Case Begin Date
Status Date: 05/18/1993

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 93UT054
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 12/31/1998
Record ID: RO0002285

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT2480

B15
NNE
< 1/8
0.019 mi.
99 ft.

ORANGE COUNTY FIRE STATION #29
26111 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

LUST S101307736
N/A

Site 3 of 4 in cluster B

Relative:
Lower
Actual:
44 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2480
Local Case: 93UT54
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/18/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY FIRE STATION #29 (Continued)

S101307736

Date Stopped: 05/18/1993
Confirm Date: / /
Submit Workplan: 6/24/93
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/24/1993
Enforce Date: Not reported
Closed Date: 12/31/98
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 11'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

B16
NNE
< 1/8
0.019 mi.
99 ft.

OR COUNTY FIRE STATION #29
26111 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624
Site 4 of 4 in cluster B

UST U003940953
SWEEPS UST N/A

Relative:
Lower
Actual:
44 ft.

UST:
Facility ID: 6069
Permitting Agency: ORANGE COUNTY
Latitude: 33.4664341
Longitude: -117.6730614

SWEEPS UST:
Status: Active
Comp Number: 6069
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: 30-000-006069-000001
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Status: Active
Comp Number: 6069
Number: 9
Board Of Equalization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OR COUNTY FIRE STATION #29 (Continued)

U003940953

Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006069-000002
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

**C17
WNW
< 1/8
0.099 mi.
522 ft.**

**VALVOLINE INSTANT OIL CHANGE GN0022
34242 DOHENY PARK ROAD
DANA POINT, CA 92624**

**AST A100425768
N/A**

Site 1 of 2 in cluster C

**Relative:
Lower**

AST:

**Actual:
34 ft.**

Certified Unified Program Agencies: Not reported
Owner: Henley Pacific LA LLC
Total Gallons: Not reported
CERSID: 10172673
Facility ID: FA0059560
Business Name: Henley Pacific LA LLC dba Valvoline Instant Oil
Phone: 949-661-1023
Fax: Not reported
Mailing Address: 17802 Sky Park Circle Ste 104
Mailing Address City: Irvine
Mailing Address State: CA
Mailing Address Zip Code: Not reported
Operator Name: Henley Pacific LA LLC
Operator Phone: 617-243-0404
Owner Phone: 617-243-0404
Owner Mail Address: 54 Jaconnet Street, Ste 100
Owner State: MA
Owner Zip Code: 2461
Owner Country: United States
Property Owner Name: Fisher Family Trust
Property Owner Phone: Not reported
Property Owner Mailing Address: 3350 Tareco Drive
Property Owner City: Los Angeles
Property Owner Stat : CA
Property Owner Zip Code: 90068
Property Owner Country: United States
EPAID: CAL000370608

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C18
WNW
< 1/8
0.099 mi.
522 ft.
REE INDUSTRIAL
34242 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624
Site 2 of 2 in cluster C

LUST **S102435764**
HAZNET **N/A**
HIST CORTESE

Relative:
Lower
Actual:
34 ft.

LUST:

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902582
Global Id: T0605902582
Latitude: 33.4649519
Longitude: -117.677403
Status: Completed - Case Closed
Status Date: 06/19/1992
Case Worker: JS
RB Case Number: 9UT415
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 86UT044
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605902582
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902582
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605902582
Action Type: Other
Date: 04/10/1986
Action: Leak Reported

Global Id: T0605902582
Action Type: REMEDIATION
Date: 05/11/1987
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605902582
Action Type: ENFORCEMENT
Date: 06/22/1992
Action: Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REE INDUSTRIAL (Continued)

S102435764

Global Id: T0605902582
Action Type: Other
Date: 04/10/1986
Action: Leak Discovery

LUST:

Global Id: T0605902582
Status: Completed - Case Closed
Status Date: 06/19/1992

Global Id: T0605902582
Status: Open - Case Begin Date
Status Date: 04/10/1986

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 86UT044
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 06/19/1992
Record ID: RO0001846

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT415
Local Case: 86UT44
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: ETITGT
Local Agency: Orange
How Found: Other Means
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 04/10/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 5/8/86
Prelim Assess: 06/01/1986
Desc Pollution: 10/19/89
Remed Plan: 10/01/1986
Remed Action: 5/11/87
Began Monitor: Not reported
Release Date: 04/10/1986
Enforce Date: Not reported
Closed Date: 6/19/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 13'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REE INDUSTRIAL (Continued)

S102435764

File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HAZNET:

envid: S102435764
Year: 2017
GEPaid: CAL000370608
Contact: JOSE HERRERA
Telephone: 9494741300
Mailing Name: Not reported
Mailing Address: 17802 SKY PARK CIRCLE STE 104
Mailing City,St,Zip: IRVINE, CA 926140000
Gen County: Orange
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.745
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Orange

envid: S102435764
Year: 2016
GEPaid: CAL000370608
Contact: JOSE HERRERA
Telephone: 9494741300
Mailing Name: Not reported
Mailing Address: 54 JACONNET ST STE 100
Mailing City,St,Zip: NEWTON HIGHLANDS, MA 024611956
Gen County: Orange
TSD EPA ID: AZR000515924
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.175
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT415

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D19
NNW
1/8-1/4
0.150 mi.
793 ft.

CAPISTRANO LUMBER CO
34162 DOHENY PARK RD
DANA POINT, CA 92624

Site 1 of 13 in cluster D

LUST S104234772
HIST CORTESE N/A

Relative:
Lower

LUST:

Actual:
33 ft.

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902616
Global Id: T0605902616
Latitude: 33.4659337
Longitude: -117.6775655
Status: Completed - Case Closed
Status Date: 08/03/1987
Case Worker: JS
RB Case Number: 9UT83
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 86UT036
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605902616
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902616
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605902616
Status: Completed - Case Closed
Status Date: 08/03/1987

Global Id: T0605902616
Status: Open - Case Begin Date
Status Date: 08/03/1987

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 86UT036
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/03/1987
Record ID: RO0001636

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO LUMBER CO (Continued)

S104234772

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT83

**D20
NNW
1/8-1/4
0.150 mi.
793 ft.**

**CAPISTRANO LUMBER
34162 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624
Site 2 of 13 in cluster D**

**LUST S102426305
N/A**

**Relative:
Lower
Actual:
33 ft.**

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT83
Local Case: 86UT36
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 03/27/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 4/22/86
Prelim Assess: 08/13/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/27/1986
Enforce Date: Not reported
Closed Date: 8/13/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 17.1
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D21
NNW
1/8-1/4
0.150 mi.
793 ft.
LP CAPISTRANO BEACH
34162 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624
Site 3 of 13 in cluster D

HIST UST **U001576758**
N/A

Relative: HIST UST:
Lower File Number: 0002EAEC
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EAEC.pdf>
Actual: Region: STATE
33 ft. Facility ID: 00000055003
Facility Type: Other
Other Type: LUMBER YARD
Contact Name: MICHAEL BOWLER
Telephone: 7144965766
Owner Name: LOUISIANA-PACIFIC CORPORATION
Owner Address: 111 S.W. FIFTH AVENUE
Owner City,St,Zip: PORTLAND, OR 97204
Total Tanks: 0001

Tank Num: 001
Container Num: 01
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

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

E22
WNW
1/8-1/4
0.170 mi.
900 ft.
TEXACO SERVICE STATION
34241 DOHENY PARK RD
CAPISTRANO BEACH, CA 92629
Site 1 of 3 in cluster E

RCRA NonGen / NLR **1004678543**
FINDS **CAR000110379**
ECHO

Relative: RCRA NonGen / NLR:
Lower Date form received by agency: 12/03/2001
Actual: Facility name: TEXACO SERVICE STATION
38 ft. Facility address: 34241 DOHENY PARK RD
SAP 121101
CAPISTRANO BEACH, CA 92629
EPA ID: CAR000110379
Mailing address: 12700 NORTHBOROUGH DR
MFT240 G
HOUSTON, TX 77067-2508
Contact: NORA CORTEZ
Contact address: 12700 NORTHBOROUGH DR MFT240 G
HOUSTON, TX 77067-2508
Contact country: US
Contact telephone: 281-874-2224
Contact email: NCCORTEZ@SHELLOPUS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EQUILON ENTERPRISES L L C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO SERVICE STATION (Continued)

1004678543

Owner/operator address: P O BOX 2648
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: 713-241-5036
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110012248665

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO SERVICE STATION (Continued)

1004678543

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004678543
Registry ID: 110012248665
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012248665>

**E23
WNW
1/8-1/4
0.170 mi.
900 ft.**

**DOHENY VILLAGE HAND CAR WASH
34241 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624**

**UST U003984011
N/A**

Site 2 of 3 in cluster E

**Relative:
Lower
Actual:
38 ft.**

UST:
Facility ID: FA0024834
Permitting Agency: Orange County Environmental Health
Latitude: 33.46551
Longitude: -117.67857

ORANGE CO. UST:

Facility ID: FA0024834

**F24
WSW
1/8-1/4
0.174 mi.
918 ft.**

**RICHARD J DEFFENBAUGH
34342 COAST HWY
DANA POINT, CA 92629**

**HIST UST U001576921
N/A**

Site 1 of 5 in cluster F

**Relative:
Lower
Actual:
23 ft.**

HIST UST:
File Number: 0002E4F5
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E4F5.pdf>
Region: STATE
Facility ID: 00000026515
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 0000000000
Owner Name: ARCO PETROLEUM PRODUCTS CO.
Owner Address: 515 SOUTH FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90071
Total Tanks: 0004

Tank Num: 001
Container Num: 0000000001
Year Installed: 1982
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RICHARD J DEFFENBAUGH (Continued)

U001576921

Year Installed: 1982
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor, 10

Tank Num: 003
 Container Num: 0000000003
 Year Installed: 1982
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor, 10

Tank Num: 004
 Container Num: 0000000004
 Year Installed: 1961
 Tank Capacity: 00000280
 Tank Used for: PRODUCT
 Type of Fuel: WASTE OIL
 Container Construction Thickness: 0000093
 Leak Detection: Stock Inventor

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

**D25
 NW
 1/8-1/4
 0.177 mi.
 936 ft.**

**CAPO BEACH SERVICE STATION
 34131 DOHENY PARK RD
 CAPISTRANO BEACH, CA 92624**

**UST U003975954
 N/A**

Site 4 of 13 in cluster D

**Relative:
 Lower
 Actual:
 33 ft.**

UST:
 Facility ID: FA0055246
 Permitting Agency: Orange County Environmental Health
 Latitude: 33.46683
 Longitude: -117.67751

 Facility ID: 4445
 Permitting Agency: ORANGE COUNTY
 Latitude: 33.4682248
 Longitude: -117.6762057

ORANGE CO. UST:
 Facility ID: FA0055246

UST CLOSURE:
 Claim Number: Claim No. 7767
 Type: Closure Denials and Approved Orders
 Deadline Date: 2015-06-26 00:00:00
 Documents: Notice, Draft Order, Review Summary
 Comments: Not reported
 Comments URL: Not reported
 Response: Not reported
 Response URL: Not reported
 Comments2: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAPO BEACH SERVICE STATION (Continued)

U003975954

Comments2 URL:	Not reported
Response2:	Not reported
Response2 URL:	Not reported
Closure:	WQO 2015-0140-UST (10/06/2015)
Closure URL:	https://pubapps.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2015/wqo2015_0140_ust.pdf
Uniform:	Uniform Closure Letter 07/12/2016
Uniform URL:	https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8544924676/NFA_Claim_7767.pdf

**D26
 NW
 1/8-1/4
 0.177 mi.
 936 ft.**

**UNION OIL SERV. STATION #5385
 34131 DOHENY PARK RD
 CAPISTRANO BEACH, CA 92624
 Site 5 of 13 in cluster D**

**HIST UST U001576761
 N/A**

**Relative:
 Lower
 Actual:
 33 ft.**

HIST UST:	
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000020042
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	GARY ABELSEN
Telephone:	7144962076
Owner Name:	UNION OIL CO. OF CALIF.
Owner Address:	123 CAMINO DELA REINA
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0003
Tank Num:	001
Container Num:	5385-22
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	5385-11
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	5385-34
Year Installed:	1965
Tank Capacity:	00000280
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D27
NW
1/8-1/4
0.177 mi.
936 ft.

UNOCAL SS#5385
34131 DOHENY PARK
CAPISTRANO BEACH, CA 92138

LUST S101299412
HIST CORTESE N/A

Site 6 of 13 in cluster D

Relative:
Lower
Actual:
33 ft.

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT1124
Local Case: 89UT7
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: Orange
How Found: Tank Closure
How Stopped: Repair Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 09/06/1988
Date Stopped: / /
Confirm Date: 09/06/1988
Submit Workplan: Not reported
Prelim Assess: 08/31/1989
Desc Pollution: Not reported
Remed Plan: 06/30/1993
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/27/1988
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: 15'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1124

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D28
NW
1/8-1/4
0.177 mi.
936 ft.

UNOCAL #5385
34131 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624
Site 7 of 13 in cluster D

SWEEPS UST **U003982081**
N/A

Relative:
Lower
Actual:
33 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	4445
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004445-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	3

Status:	Not reported
Comp Number:	4445
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004445-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	4445
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004445-000003
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
---------	--------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5385 (Continued)

U003982081

Comp Number: 4445
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-004445-000004
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 4445
Number: 9
Board Of Equalization: 44-001057
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-004445-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

**D29
NW
1/8-1/4
0.177 mi.
936 ft.**

**TOSCO CORPORATION STATION #30867
34131 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624**

**HIST UST S113074555
HAZNET N/A**

Site 8 of 13 in cluster D

**Relative:
Lower
Actual:
33 ft.**

HIST UST:
File Number: 0002D66C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D66C.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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO CORPORATION STATION #30867 (Continued)

S113074555

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

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

HAZNET:

envid: S113074555
Year: 2000
GEPaid: CAL000135584
Contact: ENVIRONMENTAL COMPLIANCE
Telephone: 6024370600
Mailing Name: Not reported
Mailing Address: PO BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113074555
Year: 1999
GEPaid: CAL000135584
Contact: TOSCO CORPORATION
Telephone: 6024370600
Mailing Name: Not reported
Mailing Address: PO BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: .6046
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: S113074555
Year: 1998
GEPaid: CAL000135584
Contact: TOSCO CORPORATION
Telephone: 6024370600

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO CORPORATION STATION #30867 (Continued)

S113074555

Mailing Name: Not reported
Mailing Address: PO BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Treatment, Tank
Tons: .6212
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

**D30
NW
1/8-1/4
0.177 mi.
936 ft.**

**UNOCAL COP #5385
34131 DOHENY PARK RD
DANA POINT, CA 92624**

**LUST U003148480
N/A**

Site 9 of 13 in cluster D

**Relative:
Lower
Actual:
33 ft.**

LUST:

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902362
Global Id: T0605902362
Latitude: 33.466686899
Longitude: -117.677539754
Status: Completed - Case Closed
Status Date: 07/12/2016
Case Worker: DB
RB Case Number: 9UT1124
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 89UT007
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: T0605902362
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

LUST:

Global Id: T0605902362
Action Type: ENFORCEMENT
Date: 07/12/2016
Action: Closure/No Further Action Letter - #07/12/2016

Global Id: T0605902362
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL COP #5385 (Continued)

U003148480

Date:	04/15/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	05/10/2016
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	Other
Date:	12/29/1988
Action:	Leak Reported
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	01/07/2009
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	09/23/2015
Action:	State Water Board Closure Order
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	03/01/2016
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	07/27/2009
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	07/15/2009
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	REMEDIATION
Date:	05/18/1995
Action:	Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)
Global Id:	T0605902362
Action Type:	REMEDIATION
Date:	05/18/1995
Action:	Other (Use Description Field)
Global Id:	T0605902362
Action Type:	REMEDIATION
Date:	12/01/2004
Action:	Other (Use Description Field)
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	10/20/2009
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL COP #5385 (Continued)

U003148480

Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	03/16/2010
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	05/13/2011
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	08/13/2010
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	06/14/2010
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	10/09/2012
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	RESPONSE
Date:	12/02/2008
Action:	Correspondence
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	04/17/2015
Action:	Notification - Public Notice of Case Closure
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	04/16/2015
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	09/25/2014
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	Other
Date:	12/29/1988
Action:	Leak Discovery
Global Id:	T0605902362
Action Type:	ENFORCEMENT
Date:	03/05/2004
Action:	Staff Letter
Global Id:	T0605902362
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL COP #5385 (Continued)

U003148480

Date: 03/14/2008
Action: Staff Letter

LUST:

Global Id: T0605902362
Status: Completed - Case Closed
Status Date: 07/12/2016

Global Id: T0605902362
Status: Open - Case Begin Date
Status Date: 12/29/1988

Global Id: T0605902362
Status: Open - Eligible for Closure
Status Date: 04/16/2013

Global Id: T0605902362
Status: Open - Eligible for Closure
Status Date: 06/04/2015

Global Id: T0605902362
Status: Open - Remediation
Status Date: 12/01/2004

Global Id: T0605902362
Status: Open - Site Assessment
Status Date: 06/11/2014

Global Id: T0605902362
Status: Open - Verification Monitoring
Status Date: 08/01/1996

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 89UT007
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/02/2016
Record ID: RO0002892

**D31
NW
1/8-1/4
0.177 mi.
936 ft.**

**STATION #5385
34131 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624
Site 10 of 13 in cluster D**

**HIST UST U001576760
N/A**

**Relative:
Lower
Actual:
33 ft.**

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000043666
Facility Type: Gas Station
Other Type: Not reported
Contact Name: GARY N. ABELSEN
Telephone: 7144962076
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 1450 FRAZEE ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STATION #5385 (Continued)

U001576760

Owner City,St,Zip: SAN DIEGO, CA 92108
Total Tanks: 0001

Tank Num: 001
Container Num: 5385-00
Year Installed: 1965
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

32
West
1/8-1/4
0.177 mi.
936 ft.

SAN JUAN CREEK PROPERTY
34500 BLK-WEST OF DOHENY PARK RD
DANA POINT, CA 92624

ENVIROSTOR S106797601
N/A

Relative:
Lower
Actual:
32 ft.

ENVIROSTOR:
Facility ID: 30000006
Status: Refer: 1248 Local Agency
Status Date: 09/24/2004
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 73
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.46385
Longitude: -117.6792
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: S. COAST WATER DIST SAN JAUN CREEK PRPTY
Alias Type: Alternate Name
Alias Name: 30000006
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAN JUAN CREEK PROPERTY (Continued)

S106797601

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

F33
WSW
1/8-1/4
0.178 mi.
940 ft.

CHEVRON STATION NO 97460
34164 COAST HWY
DANA PT, CA 92629
Site 2 of 5 in cluster F

RCRA-SQG 1006805018
FINDS CAR000119834
ECHO
HAZNET

Relative:
Lower

RCRA-SQG:

Actual:
20 ft.

Date form received by agency: 05/16/2002
Facility name: CHEVRON STATION NO 97460
Facility address: 34164 COAST HWY
DANA PT, CA 92629
EPA ID: CAR000119834
Mailing address: P O BOX 6004
SAN RAMON, CA 94583
Contact: KATHY NORRIS
Contact address: P O BOX 6004
SAN RAMON, CA 94583
Contact country: US
Contact telephone: 925-842-5931
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: 925-842-5931
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 97460 (Continued)

1006805018

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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.

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110013290492

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1006805018
Registry ID: 110013290492
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110013290492>

HAZNET:

envid: 1006805018
Year: 2017
GEPAID: CAR000119834
Contact: KWAME AWUKU
Telephone: 8773866044

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 97460 (Continued)

1006805018

Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Orange
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.105
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Orange

envid: 1006805018
Year: 2017
GEPaid: CAR000119834
Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Orange
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.115
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Orange

envid: 1006805018
Year: 2016
GEPaid: CAR000119834
Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Orange
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1325
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1006805018
Year: 2016
GEPaid: CAR000119834

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 97460 (Continued)

1006805018

Contact: KWAME AWUKU
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Orange
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3115
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1006805018
Year: 2015
GEPaid: CAR000119834
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Orange
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.14
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access 37 additional CA_HAZNET: record(s) in the EDR Site Report.

F34
WSW
1/8-1/4
0.178 mi.
940 ft.

DANA POINT CHEVRON #9-7460
34164 COAST HWY
DANA POINT, CA 92629
Site 3 of 5 in cluster F

SWEEPS UST **U003939455**
N/A

Relative:
Lower
Actual:
20 ft.

SWEEPS UST:
Status: Active
Comp Number: 2084
Number: 9
Board Of Equalization: 44-015899
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002084-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DANA POINT CHEVRON #9-7460 (Continued)

U003939455

STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 2084
Number: 9
Board Of Equalization: 44-015899
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002084-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 2084
Number: 9
Board Of Equalization: 44-015899
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-002084-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

F35 97460
WSW 34164 COAST HWY
1/8-1/4 DANA POINT, CA 92629
0.178 mi.
940 ft. Site 4 of 5 in cluster F

HIST UST U001576909
N/A

Relative: HIST UST:
Lower File Number: 0002E72A
Actual: URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E72A.pdf>
20 ft. Region: STATE
Facility ID: 00000063000
Facility Type: Gas Station
Other Type: Not reported
Contact Name: PORTER, WALTER O
Telephone: 7144969565
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

97460 (Continued)

U001576909

Tank Num: 001
Container Num: 000000001
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000370
Leak Detection: Stock Inventor

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

F36
WSW
1/8-1/4
0.178 mi.
940 ft.

DANA POINT CHEVRON #9-7460
34164 COAST HWY
DANA POINT, CA 92629
Site 5 of 5 in cluster F

LUST S101631314
CA FID UST N/A

Relative:
Lower
Actual:
20 ft.

LUST:
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902500
Global Id: T0605902500
Latitude: 33.46719
Longitude: -117.699722
Status: Completed - Case Closed
Status Date: 10/03/2001
Case Worker: JS
RB Case Number: 9UT259
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 87UT052
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0605902500
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DANA POINT CHEVRON #9-7460 (Continued)

S101631314

Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902500
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605902500
Action Type: Other
Date: 03/05/1987
Action: Leak Reported

Global Id: T0605902500
Action Type: REMEDIATION
Date: 12/15/1995
Action: Other (Use Description Field)

Global Id: T0605902500
Action Type: ENFORCEMENT
Date: 10/03/2001
Action: Closure/No Further Action Letter

Global Id: T0605902500
Action Type: Other
Date: 03/05/1987
Action: Leak Discovery

LUST:

Global Id: T0605902500
Status: Completed - Case Closed
Status Date: 10/03/2001

Global Id: T0605902500
Status: Open - Case Begin Date
Status Date: 03/05/1987

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 87UT052
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 10/03/2001
Record ID: RO0002074

CA FID UST:

Facility ID: 30005083
Regulated By: UTNKA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DANA POINT CHEVRON #9-7460 (Continued)

S101631314

Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7144969565
Mail To: Not reported
Mailing Address: 1300 S BCH BLVD / P O BOX 2
Mailing Address 2: Not reported
Mailing City,St,Zip: DANA POINT 92629
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

G37
West
1/8-1/4
0.184 mi.
971 ft.

FORMER EXXON STATION 7-4816
34295 DOHENY PARK RD
CAPISTRANO BEACH, CA 92624
Site 1 of 2 in cluster G

LUST **S103723417**
HIST CORTESE **N/A**

Relative:
Lower
Actual:
41 ft.

LUST:
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902575
Global Id: T0605902575
Latitude: 33.464818
Longitude: -117.679118
Status: Open - Eligible for Closure
Status Date: 07/23/2018
Case Worker: CQC
RB Case Number: 9UT3830
Local Agency: Not reported
File Location: Local Agency
Local Case Number: Not reported
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: T0605902575
Contact Type: Regional Board Caseworker
Contact Name: CHARLES Q. CHENG
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: charles.cheng@waterboards.ca.gov
Phone Number: 6195213359

LUST:
Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 02/09/2016
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON STATION 7-4816 (Continued)

S103723417

Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	08/28/2008
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	07/14/2008
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	09/09/2008
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	02/28/2008
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	Other
Date:	01/11/1999
Action:	Leak Reported
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	12/05/2008
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	07/15/2009
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	11/06/2009
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	01/30/2018
Action:	Verbal Communication
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	12/23/2010
Action:	File review
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	07/12/2010
Action:	File review
Global Id:	T0605902575
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON STATION 7-4816 (Continued)

S103723417

Date: 05/16/2011
Action: File review

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 01/26/2011
Action: File review

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 05/15/2012
Action: File review

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 02/14/2013
Action: File review

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 01/10/2018
Action: Referral to Regional Board

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 08/07/2018
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 11/01/2018
Action: Notification - Public Notice of Case Closure

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 11/01/2018
Action: Staff Letter

Global Id: T0605902575
Action Type: RESPONSE
Date: 12/02/2008
Action: Correspondence

Global Id: T0605902575
Action Type: REMEDIATION
Date: 02/05/2008
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 12/23/2014
Action: File review

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 06/12/2015
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON STATION 7-4816 (Continued)

S103723417

Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	04/26/2018
Action:	Site Visit / Inspection / Sampling
Global Id:	T0605902575
Action Type:	REMEDIATION
Date:	03/05/2010
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0605902575
Action Type:	REMEDIATION
Date:	03/05/2010
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605902575
Action Type:	REMEDIATION
Date:	02/09/2011
Action:	Free Product Removal
Global Id:	T0605902575
Action Type:	Other
Date:	02/01/1996
Action:	Leak Discovery
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	02/18/1999
Action:	* Corrective Action Orders
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	02/18/1999
Action:	Notice of Responsibility
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	12/23/2005
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	02/14/2006
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	12/26/2007
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT
Date:	10/04/2005
Action:	Staff Letter
Global Id:	T0605902575
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON STATION 7-4816 (Continued)

S103723417

Date: 10/30/2007
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 08/31/2004
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 10/29/2007
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 08/23/2007
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 11/20/2006
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 02/19/2008
Action: Staff Letter

Global Id: T0605902575
Action Type: ENFORCEMENT
Date: 02/24/2009
Action: Staff Letter

LUST:

Global Id: T0605902575
Status: Open - Assessment & Interim Remedial Action
Status Date: 10/31/2008

Global Id: T0605902575
Status: Open - Case Begin Date
Status Date: 02/01/1996

Global Id: T0605902575
Status: Open - Eligible for Closure
Status Date: 07/23/2018

Global Id: T0605902575
Status: Open - Remediation
Status Date: 03/05/2010

Global Id: T0605902575
Status: Open - Remediation
Status Date: 03/05/2010

Global Id: T0605902575
Status: Open - Site Assessment
Status Date: 02/01/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER EXXON STATION 7-4816 (Continued)

S103723417

Global Id: T0605902575
Status: Open - Site Assessment
Status Date: 08/27/1997

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 99UT010
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 01/12/2018
Record ID: RO0001273

LUST REG 9:

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3830
Local Case: 99UT10
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 02/01/1996
Date Stopped: 02/01/1996
Confirm Date: / /
Submit Workplan: 2/18/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/18/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Medium priority
File Disp: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT3830

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

G38
West
1/8-1/4
0.184 mi.
971 ft.

EXXONMOBILE OIL CORP 74816
34295 DOHENY PARK RD
DANA POINT, CA 92624

RCRA-SQG 1014387960
HAZNET CAR000216119

Site 2 of 2 in cluster G

Relative:
Lower
Actual:
41 ft.

RCRA-SQG:
 Date form received by agency: 01/12/2011
Facility name: EXXONMOBILE OIL CORP 74816
Facility address: 34295 DOHENY PARK RD
 DANA POINT, CA 92624
EPA ID: CAR000216119
Mailing address: 800 E WASHINGTON ST
 EMES C O JD2 ENV INC
 WEST CHESTER, PA 19380
Contact: DONNA HYMES
Contact address: 800 E WASHINGTON ST
 WEST CHESTER, PA 19380
Contact country: US
Contact telephone: 610-430-8151
Contact email: DHYMES@JD2ENV.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: GARY KARNS
Owner/operator address: 34295 DOHENY PARK RD
 DANA POINT, CA 92624
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/15/1999
Owner/Op end date: Not reported

Owner/operator name: EXXONMOBIL ENV SVC
Owner/operator address: Not reported
 Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/15/1999
Owner/Op end date: Not reported

Handler Activities Summary:
 U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBILE OIL CORP 74816 (Continued)

1014387960

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

. Waste code: D001

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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.

. Waste code: D018

. Waste name: BENZENE

Violation Status: No violations found

HAZNET:

envid: 1014387960
Year: 2017
GEPaid: CAR000216119
Contact: DONNA HYMES
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST
Mailing City,St,Zip: WEST CHESTER, PA 193804542
Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0252
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Orange

envid: 1014387960
Year: 2016
GEPaid: CAR000216119
Contact: DONNA HYMES
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST
Mailing City,St,Zip: WEST CHESTER, PA 193804542

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBILE OIL CORP 74816 (Continued)

1014387960

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.1092
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1014387960
Year: 2016
GEPaid: CAR000216119
Contact: DONNA HYMES
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST
Mailing City,St,Zip: WEST CHESTER, PA 193804542

Gen County: Orange
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To
Include On-Site Treatment And/Or Stabilization)
Tons: 0.0275
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1014387960
Year: 2015
GEPaid: CAR000216119
Contact: DONNA HYMES
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST
Mailing City,St,Zip: WEST CHESTER, PA 193804542

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.0924
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

envid: 1014387960
Year: 2015
GEPaid: CAR000216119
Contact: DONNA HYMES
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST
Mailing City,St,Zip: WEST CHESTER, PA 193804542

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBILE OIL CORP 74816 (Continued)

1014387960

Gen County: Orange
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.2502
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

[Click this hyperlink](#) while viewing on your computer to access 5 additional CA_HAZNET: record(s) in the EDR Site Report.

**D39
NNW
1/8-1/4
0.189 mi.
1000 ft.**

**FORMER DOHENY VILLAGE DRY CLEANERS
34073 DOHENY PARK ROAD
DANA POINT, CA 92624**

**CPS-SLIC S118504755
N/A**

Site 11 of 13 in cluster D

**Relative:
Lower
Actual:
33 ft.**

CPS-SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/26/2017
Global Id: T10000008304
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: Not reported
Latitude: 33.46839
Longitude: -117.67767
Case Type: Cleanup Program Site
Case Worker: TCA
Local Agency: Not reported
RB Case Number: 2090072
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History: In January 2015, AEI conducted a Phase I ESA of the entire shopping center where the Site is located. From 1938 until at least 1960 the property was identified to consist of agricultural land. The Site was a former dry cleaning operation from at least 1966 through 2005. At the time of the Phase I, this former dry cleaner tenant suite was occupied by Lighthouse Thrift Store. The use of the Site as a dry cleaner for nearly 40 years was identified by AEI as a Recognized Environmental Condition (REC) and the potential source of vapor phased contamination based on the potential release of dry cleaning solvents, or volatile organic compounds (VOCs) at the Site.

Click here to access the California GeoTracker records for this facility:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KENT CLEANERS (Continued)

S103654079

Facility Active: No
Inactive Date: 06/30/2005
Facility Addr2: Not reported
Owner Name: YOOJOONG YOON
Owner Address: 34073 DOHENY PARK RD
Owner Address 2: Not reported
Owner Telephone: 9494961533
Contact Name: YOOJOONG YOON
Contact Address: 34073 DOHENY PARK RD
Contact Address 2: Not reported
Contact Telephone: 9494961533
Mailing Name: Not reported
Mailing Address 1: 34073 DOHENY PARK RD
Mailing Address 2: Not reported
Mailing City: CAPISTRANO BEACH
Mailing State: CA
Mailing Zip: 92624
Owner Fax: Not reported
Region Code: 4

DRYCLEAN SOUTH COAST:

Facility ID: 35791
Application Number: 100131
Permit Number: M31622
Status: S
Representative Name: JIM SON
Representative Telephone: 714 4961533
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 437.13400269
UTM North: 3703.1599121

Facility ID: 35791
Application Number: 100132
Permit Number: M32190
Status: S
Representative Name: JIM SON
Representative Telephone: 714 4961533
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 437.13400269
UTM North: 3703.1599121

Facility ID: 35791
Application Number: 266761
Permit Number: D52771
Status: S
Representative Name: JIM SON
Representative Telephone: 714 4961533
Permit Status: INACTIVE
BCAT Number: 000234

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KENT CLEANERS (Continued)

S103654079

BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 437.13400269
UTM North: 3703.1599121

Facility ID: 35791
Application Number: 286138
Permit Number: D77952
Status: S
Representative Name: JIM SON
Representative Telephone: 714 4961533
Permit Status: INACTIVE

BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 437.13400269
UTM North: 3703.1599121

EMI:

Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 35791
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 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

Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 35791
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
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

Year: 1993
County Code: 30

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KENT CLEANERS (Continued)

S103654079

Air Basin: SC
 Facility ID: 35791
 Air District Name: SC
 SIC Code: 7216
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
 County Code: 30
 Air Basin: SC
 Facility ID: 35791
 Air District Name: SC
 SIC Code: 7216
 Air District Name: SOUTH COAST AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers and Smlr Tons/Yr:0

E42 HOBIE SURF BOARDS
WNW 25842 DOMINGO AVE
1/8-1/4 CAPISTRANO BEACH, CA 92624
0.216 mi.
1142 ft. Site 3 of 3 in cluster E

UST U003785054
N/A

Relative: UST:
Lower Facility ID: 8765
 Permitting Agency: ORANGE COUNTY
Actual: Latitude: 33.467266
41 ft. Longitude: -117.677737

H43 VICTORIA FIELD OFFICE
NW 25842 VICTORIA BOULEVARD
1/8-1/4 DANA POINT, CA 92624
0.241 mi.
1272 ft. Site 1 of 4 in cluster H

CPS-SLIC S106487031
N/A

Relative: CPS-SLIC:
Lower Region: STATE
Actual: **Facility Status: Completed - Case Closed**
29 ft. Status Date: 11/30/2011
 Global Id: SLT9S0184225
 Lead Agency: SAN DIEGO RWQCB (REGION 9)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VICTORIA FIELD OFFICE (Continued)

S106487031

Lead Agency Case Number: Not reported
Latitude: 33.466452204448
Longitude: -117.678015232086
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: SLT9S018
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: MTBE / TBA / Other Fuel Oxygenates
Site History: No known release(s) originating from this location. The oxygenates found at the site are most likely associated with the gasoline release(s) at the UNOCAL station upgradient and across the street (34131 Doheny Park - Geotracker ID = T0605902362) from this site. Based on this information this case will be closed administratively.

[Click here to access the California GeoTracker records for this facility:](#)

**H44
NW
1/8-1/4
0.250 mi.
1319 ft.**

**BARTS IRON DESIGN INC
25830 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

**RCRA-SQG 1000819090
FINDS CAD983650573
ECHO
HAZNET**

Site 2 of 4 in cluster H

**Relative:
Lower**

RCRA-SQG:

**Actual:
27 ft.**

Date form received by agency: 10/20/1992
Facility name: CANNAN BART INC
Facility address: 25830 VICTORIA BLVD
W SIDE OF YRD
CAPISTRANO BEACH, CA 92624
EPA ID: CAD983650573
Mailing address: P O BOX 2431
CAPISTRANO BEACH, CA 92624
Contact: CHARLES CANNAN
Contact address: 25830 VICTORIA BLVD W SIDE OF YRD
CAPISTRANO BEACH, CA 92624
Contact country: US
Contact telephone: 714-496-7545
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: CANNAN BART INC
Owner/operator address: P O BOX 2431
CAPISTRANO BEACH, CA 92624
Owner/operator country: Not reported
Owner/operator telephone: 714-496-7545
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARTS IRON DESIGN INC (Continued)

1000819090

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110002886137

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: 1000819090
Registry ID: 110002886137
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002886137>

HAZNET:

envid: 1000819090
Year: 2008
GEPaid: CAD983650573
Contact: JEFFERY COLEMAN
Telephone: 9496329694
Mailing Name: Not reported
Mailing Address: PO BOX 2431
Mailing City, St, Zip: CAPISTRANO BEACH, CA 926240431
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARTS IRON DESIGN INC (Continued)

1000819090

Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.209
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Orange

**H45
NW
1/8-1/4
0.250 mi.
1319 ft.**

**BARTS IRON DESIGN INC
25830 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

RCRA-SQG

**1000819091
CAD983650581**

Site 3 of 4 in cluster H

**Relative:
Lower
Actual:
27 ft.**

RCRA-SQG:
Date form received by agency: 10/20/1992
Facility name: BARTS IRON DESIGN INC
Facility address: 25830 VICTORIA BLVD
E SIDE OF YRD
CAPISTRANO BEACH, CA 92624
EPA ID: CAD983650581
Mailing address: P O BOX 2412
CAPISTRANO BEACH, CA 92624
Contact: BARTLETT REUBEN
Contact address: 25830 VICTORIA BLVD E SIDE OF YRD
CAPISTRANO BEACH, CA 92624
Contact country: US
Contact telephone: 714-496-9396
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: BARTS IRON DESIGN INC
Owner/operator address: P O BOX 2412
CAPISTRANO BEACH, CA 92624
Owner/operator country: Not reported
Owner/operator telephone: 714-496-9396
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARTS IRON DESIGN INC (Continued)

1000819091

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

H46 CANNON BART INC
NW 25742 VICTORIA
1/4-1/2 DANA POINT, CA 92624
0.266 mi.
1402 ft.

LUST S101299413
HIST CORTESE N/A

Site 4 of 4 in cluster H

Relative:
Lower

LUST:

Actual:
24 ft.

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902604
Global Id: T0605902604
Latitude: 33.4671707
Longitude: -117.679527
Status: Completed - Case Closed
Status Date: 05/09/2005
Case Worker: JS
RB Case Number: 9UT694
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 86UT047
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605902604
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902604
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605902604
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANNON BART INC (Continued)

S101299413

Date: 04/28/1986
Action: Leak Reported

Global Id: T0605902604
Action Type: REMEDIATION
Date: 11/13/1990
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)

Global Id: T0605902604
Action Type: REMEDIATION
Date: 01/01/1996
Action: Other (Use Description Field)

Global Id: T0605902604
Action Type: Other
Date: 04/11/1986
Action: Leak Discovery

Global Id: T0605902604
Action Type: ENFORCEMENT
Date: 05/09/2005
Action: Closure/No Further Action Letter

LUST:

Global Id: T0605902604
Status: Completed - Case Closed
Status Date: 05/09/2005

Global Id: T0605902604
Status: Open - Case Begin Date
Status Date: 04/11/1986

Global Id: T0605902604
Status: Open - Verification Monitoring
Status Date: 05/23/1994

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 86UT047
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 05/09/2005
Record ID: RO0001921

LUST REG 9:

Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT694
Local Case: 86UT47
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Remove Free Product - remove floating product from water table
Local Agency: Orange
How Found: Not reported
How Stopped: Close Tank
Source: Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANNON BART INC (Continued)

S101299413

Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: / /
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 06/11/1987
Desc Pollution: Not reported
Remed Plan: 09/09/1992
Remed Action: 10/16/93
Began Monitor: Not reported
Release Date: 01/01/1986
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: 11'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT694

47
SSE
1/4-1/2
0.306 mi.
1615 ft.

CAPISTRANO REALTY
34656 PACIFIC COAST
DANA POINT, CA 92624

LUST S102426308
HIST CORTESE N/A

Relative:
Lower
Actual:
19 ft.

LUST:

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902371
Global Id: T0605902371
Latitude: 33.459416
Longitude: -117.673523
Status: Completed - Case Closed
Status Date: 11/23/2009
Case Worker: DB
RB Case Number: 9UT1224
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 88UT196
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO REALTY (Continued)

S102426308

LUST:

Global Id: T0605902371
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

LUST:

Global Id: T0605902371
Action Type: Other
Date: 11/29/1988
Action: Leak Reported

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 07/22/2009
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 12/18/1991
Action: Closure/No Further Action Letter

Global Id: T0605902371
Action Type: RESPONSE
Date: 05/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0605902371
Action Type: RESPONSE
Date: 05/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0605902371
Action Type: RESPONSE
Date: 08/24/2007
Action: Soil and Water Investigation Report

Global Id: T0605902371
Action Type: RESPONSE
Date: 08/31/2007
Action: Other Report / Document

Global Id: T0605902371
Action Type: RESPONSE
Date: 07/30/2008
Action: Risk Assessment Report

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 11/23/2009
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO REALTY (Continued)

S102426308

Global Id: T0605902371
Action Type: Other
Date: 10/19/1988
Action: Leak Discovery

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 03/03/2005
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 07/26/2007
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 03/26/2007
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 09/18/2007
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 03/21/2007
Action: * Corrective Action Orders

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 06/18/2008
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 03/30/2006
Action: Staff Letter

Global Id: T0605902371
Action Type: ENFORCEMENT
Date: 05/04/2007
Action: Staff Letter

LUST:

Global Id: T0605902371
Status: Completed - Case Closed
Status Date: 11/23/2009

Global Id: T0605902371
Status: Open - Case Begin Date
Status Date: 10/19/1988

Global Id: T0605902371
Status: Open - Site Assessment
Status Date: 03/10/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO REALTY (Continued)

S102426308

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 88UT196
Released Substance: Waste oil/Used oil; Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 11/23/2009
Record ID: RO0001087

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT1224
Local Case: 88UT196
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 10/19/1988
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 12/2/88
Prelim Assess: 03/01/1989
Desc Pollution: 8/14/89
Remed Plan: / /
Remed Action: Not reported
Began Monitor: 2/15/91
Release Date: 10/19/1988
Enforce Date: 7/9/90
Closed Date: 1/2/92
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 901.30
GW Depth: 13'
Beneficial Use: NBNOG
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT1224

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I48
SSE
1/4-1/2
0.323 mi.
1705 ft.

PRIVATE RESIDENCE
PRIVATE RESIDENCE
DANA POINT, CA 92624

LUST S110654837
N/A

Site 1 of 2 in cluster I

Relative:
Higher

LUST:

Actual:
130 ft.

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605958904
Global Id: T0605958904
Latitude: 33.459529
Longitude: -117.671699
Status: Completed - Case Closed
Status Date: 03/23/2001
Case Worker: JS
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 00UT037
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0605958904
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605958904
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605958904
Action Type: Other
Date: 11/07/2000
Action: Leak Reported

Global Id: T0605958904
Action Type: REMEDIATION
Date: 12/20/2000
Action: Excavation

Global Id: T0605958904
Action Type: ENFORCEMENT
Date: 03/23/2001
Action: Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRIVATE RESIDENCE (Continued)

S110654837

Global Id: T0605958904
Action Type: Other
Date: 11/07/2000
Action: Leak Discovery

LUST:

Global Id: T0605958904
Status: Completed - Case Closed
Status Date: 03/23/2001

Global Id: T0605958904
Status: Open - Case Begin Date
Status Date: 11/07/2000

49
North
1/4-1/2
0.326 mi.
1723 ft.

PRICE CLUB #429
33961 DOHENY PARK ROAD
SAN JUAN CAPISTRANO, CA 92675

ENVIROSTOR S100942780
N/A

Relative:
Lower
Actual:
34 ft.

ENVIROSTOR:
Facility ID: 71003435
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 73
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.46888
Longitude: -117.6755
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAR000005603
Alias Type: EPA Identification Number
Alias Name: 71003435
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRICE CLUB #429 (Continued)

S100942780

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

**I50
SSE
1/4-1/2
0.343 mi.
1812 ft.**

**LIND RESIDENCE
34655 CAMINO CAPISTRANO
DANA POINT, CA 92624**

**LUST S104816340
N/A**

Site 2 of 2 in cluster I

**Relative:
Higher**

ORANGE CO. LUST:

**Actual:
126 ft.**

Region: ORANGE
Facility Id: 00UT037
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 03/23/2001
Record ID: RO0002037

LUST REG 9:

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT4098
Local Case: 00UT37
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/30/2000
Date Stopped: 10/30/2000
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/15/2000
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/30/2000
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.27
GW Depth: Not reported
Beneficial Use: MUNBU

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIND RESIDENCE (Continued)

S104816340

NPDES Number: Not reported
Priority: Not reported
File Disp: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

**J51
SSE
1/4-1/2
0.407 mi.
2147 ft.**

**CAPISTRANO SURF CENTER
34700 PACIFIC COAST
DANA POINT, CA 92624**

**LUST S103286517
HIST CORTESE N/A**

Site 1 of 2 in cluster J

**Relative:
Lower
Actual:
20 ft.**

LUST:
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902559
Global Id: T0605902559
Latitude: 33.458183
Longitude: -117.671621
Status: Completed - Case Closed
Status Date: 06/11/1998
Case Worker: JS
RB Case Number: 9UT3659
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 98UT038
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0605902559
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902559
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:
Global Id: T0605902559
Action Type: Other
Date: 05/20/1998
Action: Leak Reported

Global Id: T0605902559
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO SURF CENTER (Continued)

S103286517

Date: 05/20/1998
Action: Leak Discovery

LUST:

Global Id: T0605902559
Status: Completed - Case Closed
Status Date: 06/11/1998

Global Id: T0605902559
Status: Open - Case Begin Date
Status Date: 05/20/1998

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT3659
Local Case: 98UT38
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: Orange
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 05/12/1998
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 5/28/98
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/28/1998
Enforce Date: Not reported
Closed Date: 6/11/98
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.31
GW Depth: 8'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAPISTRANO SURF CENTER (Continued)

S103286517

Reg Id: 9UT3659

J52
SSE
1/4-1/2
0.407 mi.
2147 ft.

CAPISTRANO SURF CENTER
34700 PACIFIC COAST HWY
DANA POINT, CA 92624

LUST **S117541252**
N/A

Site 2 of 2 in cluster J

Relative:
Lower
Actual:
20 ft.

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 98UT038
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 06/11/1998
Record ID: RO0001977

K53
WNW
1/4-1/2
0.481 mi.
2541 ft.

SO ORANGE CO. WASTEWATER AUTHORITY
34152 DEL OBISPO ST
DANA POINT, CA 92629

LUST **1000589882**
EMI **N/A**

Site 1 of 2 in cluster K

Relative:
Lower
Actual:
16 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT764
Local Case: 89UT189
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: Orange
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 04/22/1987
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 06/11/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/22/1987
Enforce Date: Not reported
Closed Date: 5/11/90
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 901.20
GW Depth: 4'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO ORANGE CO. WASTEWATER AUTHORITY (Continued)

1000589882

Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 3866
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
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 8
SOX - Oxides of Sulphur Tons/Yr: 8
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 3866
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: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 30
Air Basin: SC
Facility ID: 3866
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
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 9
NOX - Oxides of Nitrogen Tons/Yr: 4
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO ORANGE CO. WASTEWATER AUTHORITY (Continued)

1000589882

County Code: 30
Air Basin: SC
Facility ID: 3866
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: 18
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 30
Air Basin: SC
Facility ID: 3866
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: 18
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 30
Air Basin: SC
Facility ID: 3866
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: 18.269359
Reactive Organic Gases Tons/Yr: 1.79
Carbon Monoxide Emissions Tons/Yr: 16.0111
NOX - Oxides of Nitrogen Tons/Yr: 1.706
SOX - Oxides of Sulphur Tons/Yr: 1.4192125
Particulate Matter Tons/Yr: 0.020125
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.02

Year: 2005
County Code: 30
Air Basin: SC
Facility ID: 3866
Air District Name: SC
SIC Code: 4952
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO ORANGE CO. WASTEWATER AUTHORITY (Continued)

1000589882

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.355435
Reactive Organic Gases Tons/Yr: .255190347
Carbon Monoxide Emissions Tons/Yr: 16.21302
NOX - Oxides of Nitrogen Tons/Yr: 1.11855
SOX - Oxides of Sulphur Tons/Yr: 1.429288
Particulate Matter Tons/Yr: .10134
Part. Matter 10 Micrometers and Smlr Tons/Yr.:1013397

Year: 2006
County Code: 30
Air Basin: SC
Facility ID: 3866
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: 21.54540644706658937
Reactive Organic Gases Tons/Yr: 2.781
Carbon Monoxide Emissions Tons/Yr: 13.39
NOX - Oxides of Nitrogen Tons/Yr: 1.173
SOX - Oxides of Sulphur Tons/Yr: .382
Particulate Matter Tons/Yr: .051
Part. Matter 10 Micrometers and Smlr Tons/Yr.:051

Year: 2007
County Code: 30
Air Basin: SC
Facility ID: 3866
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: 21.54540644706658937
Reactive Organic Gases Tons/Yr: 2.781
Carbon Monoxide Emissions Tons/Yr: 13.39
NOX - Oxides of Nitrogen Tons/Yr: 1.173
SOX - Oxides of Sulphur Tons/Yr: .382
Particulate Matter Tons/Yr: .051
Part. Matter 10 Micrometers and Smlr Tons/Yr.:051

Year: 2009
County Code: 30
Air Basin: SC
Facility ID: 3866
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: 12.7634613791893
Reactive Organic Gases Tons/Yr: 1.6125722499999999
Carbon Monoxide Emissions Tons/Yr: 11.9633714
NOX - Oxides of Nitrogen Tons/Yr: 1.5811655

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO ORANGE CO. WASTEWATER AUTHORITY (Continued)

1000589882

SOX - Oxides of Sulphur Tons/Yr: 0.69021504
Particulate Matter Tons/Yr: 3.1036279999999999E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr:3.1012028000000001E-2

**K54
WNW
1/4-1/2
0.481 mi.
2541 ft.**

**SOUTH EAST REGIONAL RECLAMATN
34152 DEL OBISPO ST
DANA POINT, CA 92629
Site 2 of 2 in cluster K**

**LUST U001743088
SWEEPS UST N/A
CA FID UST
HIST CORTESE
NPDES
WDS
CIWQS**

**Relative:
Lower**

**Actual:
16 ft.**

LUST:

Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902609
Global Id: T0605902609
Latitude: 33.466563
Longitude: -117.68423
Status: Completed - Case Closed
Status Date: 05/11/1990
Case Worker: JS
RB Case Number: 9UT764
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 89UT189
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Global Id: T0605902609
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Global Id: T0605902609
Contact Type: Local Agency Caseworker
Contact Name: JAMES STROZIER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: jstrozier@ochca.com
Phone Number: 7144336273

LUST:

Global Id: T0605902609
Action Type: Other
Date: 04/22/1987
Action: Leak Reported

Global Id: T0605902609
Action Type: ENFORCEMENT
Date: 05/11/1990

Map ID
Direction
Distance
Elevation

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EDR ID Number
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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Action: Closure/No Further Action Letter

Global Id: T0605902609
Action Type: Other
Date: 04/22/1987
Action: Leak Discovery

LUST:

Global Id: T0605902609
Status: Completed - Case Closed
Status Date: 05/11/1990

Global Id: T0605902609
Status: Open - Case Begin Date
Status Date: 04/22/1987

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 89UT189
Released Substance: Waste oil/Used oil
Date Closed: 05/11/1990
Record ID: RO0001137

SWEEPS UST:

Status: Active
Comp Number: 7760
Number: 9
Board Of Equalization: 44-016626
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 30006561
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7144961786
Mail To: Not reported
Mailing Address: 34152 DEL OBISPO
Mailing Address 2: Not reported
Mailing City,St,Zip: DANA POINT 92629
Contact: Not reported
Contact Phone: Not reported

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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

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

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 9UT764

NPDES:

Facility Status: Active
NPDES Number: CA0107417
Region: 9
Agency Number: 41388
Regulatory Measure ID: 384618
Place ID: 236649
Order Number: R9-2012-0012
WDID: 9 000000175
Regulatory Measure Type: NPDES Permits
Program Type: NPDUNILRG
Adoption Date Of Regulatory Measure: 04/14/2012
Effective Date Of Regulatory Measure: 05/31/2012
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: 05/31/2017
Discharge Address: 34156 Del Obispo Street
Discharge Name: SOCWA-San Juan Creek Ocean O/F
Discharge City: Dana Point
Discharge State: CA
Discharge Zip: 92629
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: CA0107417
Status: Active
Agency Number: 41388
Region: 9
Regulatory Measure ID: 384618
Order Number: R9-2012-0012
Regulatory Measure Type: NPDES Permits
Place ID: 257518
WDID: 9 000000175
Program Type: NPDUNILRG
Adoption Date Of Regulatory Measure: 04/14/2012
Effective Date Of Regulatory Measure: 05/31/2012
Expiration Date Of Regulatory Measure: 05/31/2017
Termination Date Of Regulatory Measure: Not reported
Discharge Name: SOCWA-San Juan Creek Ocean O/F
Discharge Address: 34156 Del Obispo Street

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EDR ID Number
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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	704670
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street
Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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Database(s)

EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	257592
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street
Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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Database(s)

EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	257520
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street

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Database(s)

EDR ID Number
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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	255218
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street
Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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EDR ID Number
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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	236649
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street
Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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Database(s)

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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	792221
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street

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EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	650609
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street
Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

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SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CA0107417
Status:	Active
Agency Number:	41388
Region:	9
Regulatory Measure ID:	384618
Order Number:	R9-2012-0012
Regulatory Measure Type:	NPDES Permits
Place ID:	241540
WDID:	9 000000175
Program Type:	NPDMUNILRG
Adoption Date Of Regulatory Measure:	04/14/2012
Effective Date Of Regulatory Measure:	05/31/2012
Expiration Date Of Regulatory Measure:	05/31/2017
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SOCWA-San Juan Creek Ocean O/F
Discharge Address:	34156 Del Obispo Street
Discharge City:	Dana Point
Discharge State:	CA
Discharge Zip:	92629
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

Map ID
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Database(s)

EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Facility ID:	San Diego 0000175S1
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0107417 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	9494961786
Facility Contact:	MIKE WILSON
Agency Name:	SOCWA-SAN JUAN CREEK OCEAN O/F

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Agency Address: 34156 DEL OBISPO
Agency City,St,Zip: DANA POINT 92629
Agency Contact: DAVE CARETTO
Agency Telephone: 9492345421
Agency Type: Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
SIC Code: 4952
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: DOMIND
Waste Type2: Not reported
Waste2: Domestic Sewage combined with Industrial Waste
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 13
Baseline Flow: 10
Reclamation: No reclamation requirements associated with this facility.
POTW: POTW has a local pretreatment program that has been approved by the U.S. EPA (or the regional board if the state is delegated the Federal Pretreatment Program) as being in conformance with federal prtreatment regulations [40CFR Part 403].
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Facility ID: San Diego 0000175S1
Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CA0107417 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 9
Facility Telephone: 9494961786
Facility Contact: MIKE WILSON
Agency Name: SOCWA-SAN JUAN CREEK OCEAN O/F
Agency Address: 34156 DEL OBISPO
Agency City,St,Zip: DANA POINT 92629

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Agency Contact: DAVE CARETTO
Agency Telephone: 9492345421
Agency Type: Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
SIC Code: 4952
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: DOMIND
Waste Type2: Not reported
Waste2: Domestic Sewage combined with Industrial Waste
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 13
Baseline Flow: 10
Reclamation: No reclamation requirements associated with this facility.
POTW: POTW has a local pretreatment program that has been approved by the U.S. EPA (or the regional board if the state is delegated the Federal Pretreatment Program) as being in conformance with federal prtreatment regulations [40CFR Part 403].
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

CIWQS:

Agency: SOCWA-San Juan Creek Ocean O/F
Agency Address: 34156 Del Obispo Street, Dana Point, CA 92629
Place/Project Type: Wastewater Treatment Facility
SIC/NAICS: 4952
Region: 9
Program: NPDMUNILRG, NPDNONMUNIPRCS
Regulatory Measure Status: Active
Regulatory Measure Type: NPDES Permit
Order Number: R9-2012-0012
WDID: 9 000000175
NPDES Number: CA0107417
Adoption Date: 04/14/2012
Effective Date: 05/31/2012
Termination Date: Not reported
Expiration/Review Date: 05/31/2017
Design Flow: 38.78
Major/Minor: Major

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH EAST REGIONAL RECLAMATN (Continued)

U001743088

Complexity: A
TTWQ: 1
Enforcement Actions within 5 years: 3
Violations within 5 years: 11
Latitude: 33.466838
Longitude: -117.685495

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DANA POINT	S120712696	MONARCH BEACH RESORT	ONE MONARCH BEACH RESORT	92629	DRYCLEANERS
LAGUNA NIGUEL	S113473490	SHELL OIL	28662 CAMINO CAPISTRANO	92675	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/12/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: N/A
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/28/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 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: 12/12/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: N/A
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/28/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/29/2019
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: 12/13/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/28/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018	Source: Department of the Navy
Date Data Arrived at EDR: 10/25/2018	Telephone: 843-820-7326
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 02/07/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	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: 09/24/2018

Date Data Arrived at EDR: 09/25/2018

Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 02/08/2019

Next Scheduled EDR Contact: 04/08/2019

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/29/2018

Date Data Arrived at EDR: 10/30/2018

Date Made Active in Reports: 12/13/2018

Number of Days to Update: 44

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/29/2019

Next Scheduled EDR Contact: 05/11/2019

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/29/2018

Date Data Arrived at EDR: 10/30/2018

Date Made Active in Reports: 12/13/2018

Number of Days to Update: 44

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/29/2019

Next Scheduled EDR Contact: 05/11/2019

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/12/2018

Date Data Arrived at EDR: 11/14/2018

Date Made Active in Reports: 12/13/2018

Number of Days to Update: 29

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: see region list
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/11/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 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 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 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-327-7844
Date Made Active in Reports: 01/16/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018	Source: SWRCB
Date Data Arrived at EDR: 12/11/2018	Telephone: 916-341-5851
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/11/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	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: 12/12/2018
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-9424
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 10/29/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/30/2018	Telephone: 916-323-3400
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 01/29/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 05/11/2019
	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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/19/2018
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/08/2019
	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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

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: 09/24/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/25/2018	Telephone: 916-323-7905
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2018	Telephone: 202-566-2777
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/18/2018
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 01/28/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-323-3836
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/28/2018	Telephone: 916-341-6422
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 08/07/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/29/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/13/2019
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/17/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 02/01/2019
Number of Days to Update: 176	Next Scheduled EDR Contact: 05/13/2019
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/29/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/30/2018	Telephone: 916-323-3400
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 01/29/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/12/2018	Telephone: 916-255-6504
Date Made Active in Reports: 08/06/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 10/22/2018	Source: CalEPA
Date Data Arrived at EDR: 10/23/2018	Telephone: 916-323-2514
Date Made Active in Reports: 11/30/2018	Last EDR Contact: 01/24/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2018	Telephone: 707-463-4466
Date Made Active in Reports: 12/14/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/11/2019
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 05/06/2019
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: 12/03/2018	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-323-3400
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/05/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 02/08/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/24/2018	Telephone: 916-845-8400
Date Made Active in Reports: 06/14/2018	Last EDR Contact: 01/24/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 11/19/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/04/2019
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 11/16/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/25/2018	Telephone: 202-566-1917
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 45	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/08/2019
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/08/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 198	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

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: 11/16/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 02/08/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	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: 01/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	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: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	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: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	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: 12/05/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/03/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/18/2019
	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: 01/25/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2018	Telephone: 202-343-9775
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 01/03/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	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: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/21/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 11/30/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 11/30/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018	Source: Department of Interior
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-208-2609
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 12/19/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/15/2018	Source: EPA
Date Data Arrived at EDR: 12/05/2018	Telephone: (415) 947-8000
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 01/31/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/05/2018	Telephone: 202-564-2280
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/30/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017	Source: Department of Defense
Date Data Arrived at EDR: 06/19/2018	Telephone: 703-704-1564
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 01/14/2019
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018	Source: EPA
Date Data Arrived at EDR: 08/22/2018	Telephone: 800-385-6164
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/04/2019
	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: 09/24/2018	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 09/25/2018	Telephone: 916-323-3400
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 08/28/2018	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 08/30/2018	Telephone: 925-454-2361
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 02/11/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 09/12/2018	Telephone: 415-252-3896
Date Made Active in Reports: 09/19/2018	Last EDR Contact: 01/31/2019
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/13/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 42

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 08/30/2018
Date Data Arrived at EDR: 09/27/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/19/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/18/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
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: 10/09/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

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: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-322-1080
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/09/2018	Source: Department of Public Health
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-558-1784
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/05/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/12/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/14/2018	Telephone: 916-445-9379
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 11/14/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 02/25/2019
	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: 12/03/2018	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-445-4038
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 12/05/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-323-3836
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/20/2018	Telephone: 916-445-3846
Date Made Active in Reports: 10/19/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/01/2019
	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: 01/25/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/10/2018	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018	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: 01/11/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/14/2018
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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: 10/05/2018	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 10/10/2018	Telephone: 510-567-6700
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 10/10/2018	Telephone: 510-567-6700
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/24/2047
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 10/31/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 46

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 08/16/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 8

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 32

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/21/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 10/15/2018	Source: Lassen County Environmental Health
Date Data Arrived at EDR: 10/23/2018	Telephone: 530-251-8528
Date Made Active in Reports: 11/14/2018	Last EDR Contact: 01/17/2019
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009	Source: N/A
Date Data Arrived at EDR: 03/31/2009	Telephone: N/A
Date Made Active in Reports: 10/23/2009	Last EDR Contact: 12/12/2018
Number of Days to Update: 206	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/20/2018	Source: Department of Public Works
Date Data Arrived at EDR: 10/12/2018	Telephone: 626-458-3517
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2018	Source: La County Department of Public Works
Date Data Arrived at EDR: 10/16/2018	Telephone: 818-458-5185
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 01/15/2019
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018	Source: Engineering & Construction Division
Date Data Arrived at EDR: 05/01/2018	Telephone: 213-473-7869
Date Made Active in Reports: 05/14/2018	Last EDR Contact: 01/15/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/01/2018	Source: Community Health Services
Date Data Arrived at EDR: 10/16/2018	Telephone: 323-890-7806
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 02/01/2019
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/14/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 03/10/2017	Telephone: 562-570-2563
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 01/17/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/05/2018	Telephone: 310-618-2973
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/17/2019
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/26/2018	Source: Madera County Environmental Health
Date Data Arrived at EDR: 11/27/2018	Telephone: 559-675-7823
Date Made Active in Reports: 12/12/2018	Last EDR Contact: 11/14/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 03/04/2019
	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: 01/14/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/09/2019
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 12/07/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/24/2019
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/06/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 11/01/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/27/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/21/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/04/2018	Source: Health Care Agency
Date Data Arrived at EDR: 11/14/2018	Telephone: 714-834-3446
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2018	Source: Health Care Agency
Date Data Arrived at EDR: 11/14/2018	Telephone: 714-834-3446
Date Made Active in Reports: 12/13/2018	Last EDR Contact: 02/04/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2018	Source: Health Care Agency
Date Data Arrived at EDR: 11/06/2018	Telephone: 714-834-3446
Date Made Active in Reports: 12/14/2018	Last EDR Contact: 02/05/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/29/2018	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 12/04/2018	Telephone: 530-745-2363
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 11/29/2018
Number of Days to Update: 38	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 07/25/2018	Telephone: 530-283-6355
Date Made Active in Reports: 09/05/2018	Last EDR Contact: 01/17/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/10/2018	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/12/2018	Telephone: 951-358-5055
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/17/2018
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/01/2019
	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: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/03/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 30

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/23/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 31

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 05/20/2019
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: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
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: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 11/16/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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: 11/21/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 30

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 10

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 35

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

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: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/25/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 7

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

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: 11/12/2018	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/14/2018	Telephone: 860-424-3375
Date Made Active in Reports: 12/04/2018	Last EDR Contact: 11/14/2018
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/13/2018	Telephone: N/A
Date Made Active in Reports: 08/01/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/31/2018	Telephone: 518-402-8651
Date Made Active in Reports: 12/20/2018	Last EDR Contact: 01/30/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/23/2018	Telephone: 717-783-8990
Date Made Active in Reports: 11/27/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/23/2018	Telephone: 401-222-2797
Date Made Active in Reports: 04/09/2018	Last EDR Contact: 11/16/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/15/2018	Telephone: N/A
Date Made Active in Reports: 07/09/2018	Last EDR Contact: 12/07/2018
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation
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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

CUSD SOUTH TRANSPORTATION YARD
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CA 92624

TARGET PROPERTY COORDINATES

Latitude (North): 33.464211 - 33° 27' 51.16"
Longitude (West): 117.67489 - 117° 40' 29.60"
Universal Tranverse Mercator: Zone 11
UTM X (Meters): 437284.8
UTM Y (Meters): 3702762.2
Elevation: 50 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5640932 DANA POINT, 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

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>
06059C0508J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06059C0502J	FEMA FIRM Flood data
06059C0506J	FEMA FIRM Flood data
06059C0504J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
DANA POINT	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>
Not Reported		

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

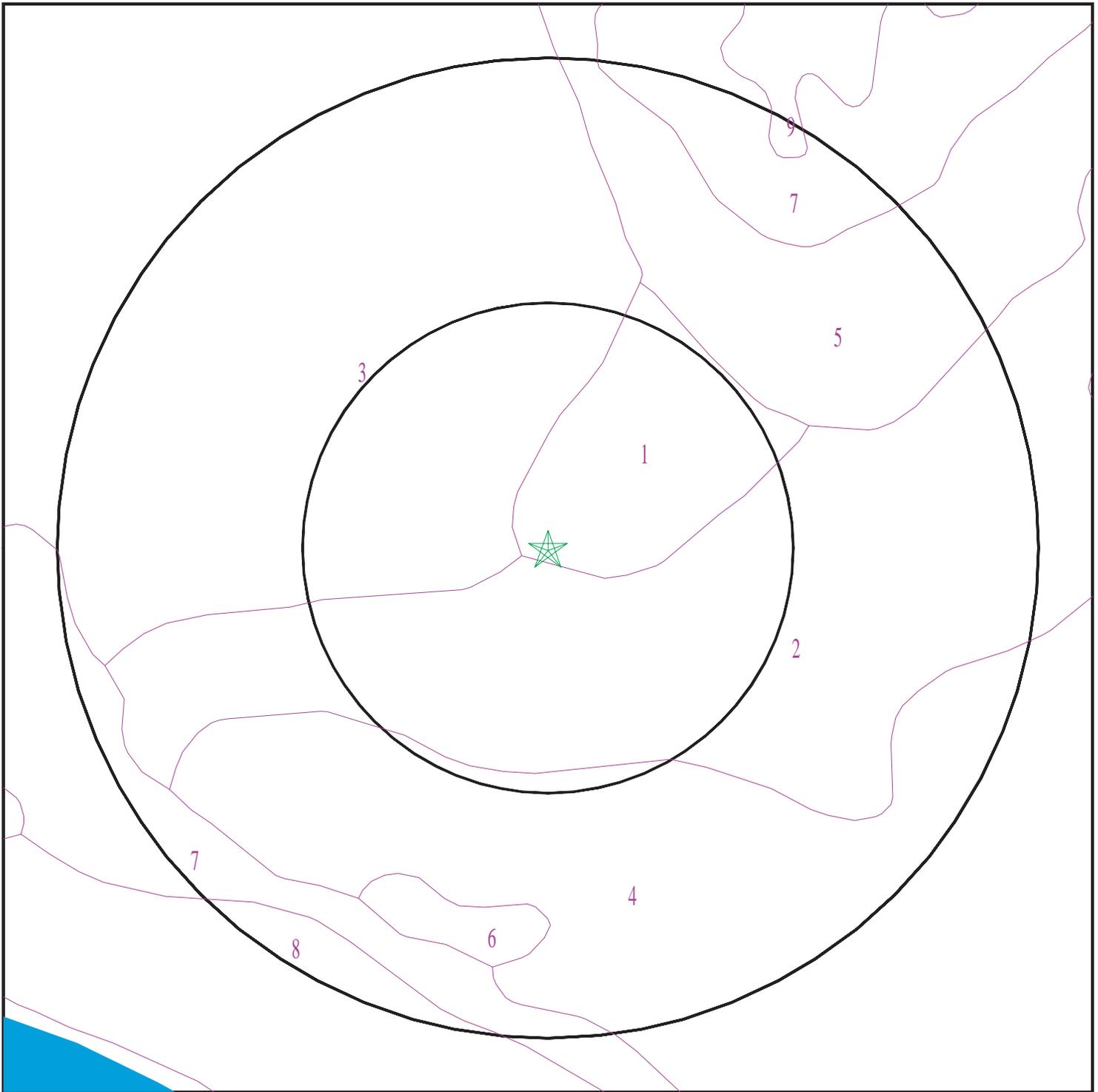
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm (decoded above as Era, System & Series)

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 - 5560241.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: CUSD South Transportation Yard
ADDRESS: 26126 Victoria Boulevard
Capistrano Beach CA 92624
LAT/LONG: 33.464211 / 117.67489

CLIENT: Leighton and Associates, Inc.
CONTACT: Robert Lovdahl
INQUIRY #: 5560241.2s
DATE: February 12, 2019 2:00 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: SORRENTO

Soil Surface Texture: 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	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	61 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: ALO

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: 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	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	14 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
3	22 inches	25 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: SORRENTO

Soil Surface Texture: 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

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	11 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	61 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 4

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

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		
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
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: 5

Soil Component Name: BOTELLA

Soil Surface Texture: 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	7 inches	loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	7 inches	35 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	35 inches	66 inches	sandy clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 6

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	7 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

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		
2	7 inches	11 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	11 inches	20 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
4	20 inches	64 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	64 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: 7

Soil Component Name: CIENEBA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

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	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	7 inches	11 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: BEACHES

Soil Surface Texture: sand

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: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 92 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	5 inches	sand	Not reported	Not reported	Max: 141 Min: 42	Max: 7.8 Min: 5.1
2	5 inches	59 inches	coarse sand	Not reported	Not reported	Max: 141 Min: 42	Max: 7.8 Min: 5.1

Soil Map ID: 9

Soil Component Name: CIENEBA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

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	16 inches	sandy loam	Not reported	Not reported	Max: Min:	Max: Min:
2	16 inches	20 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

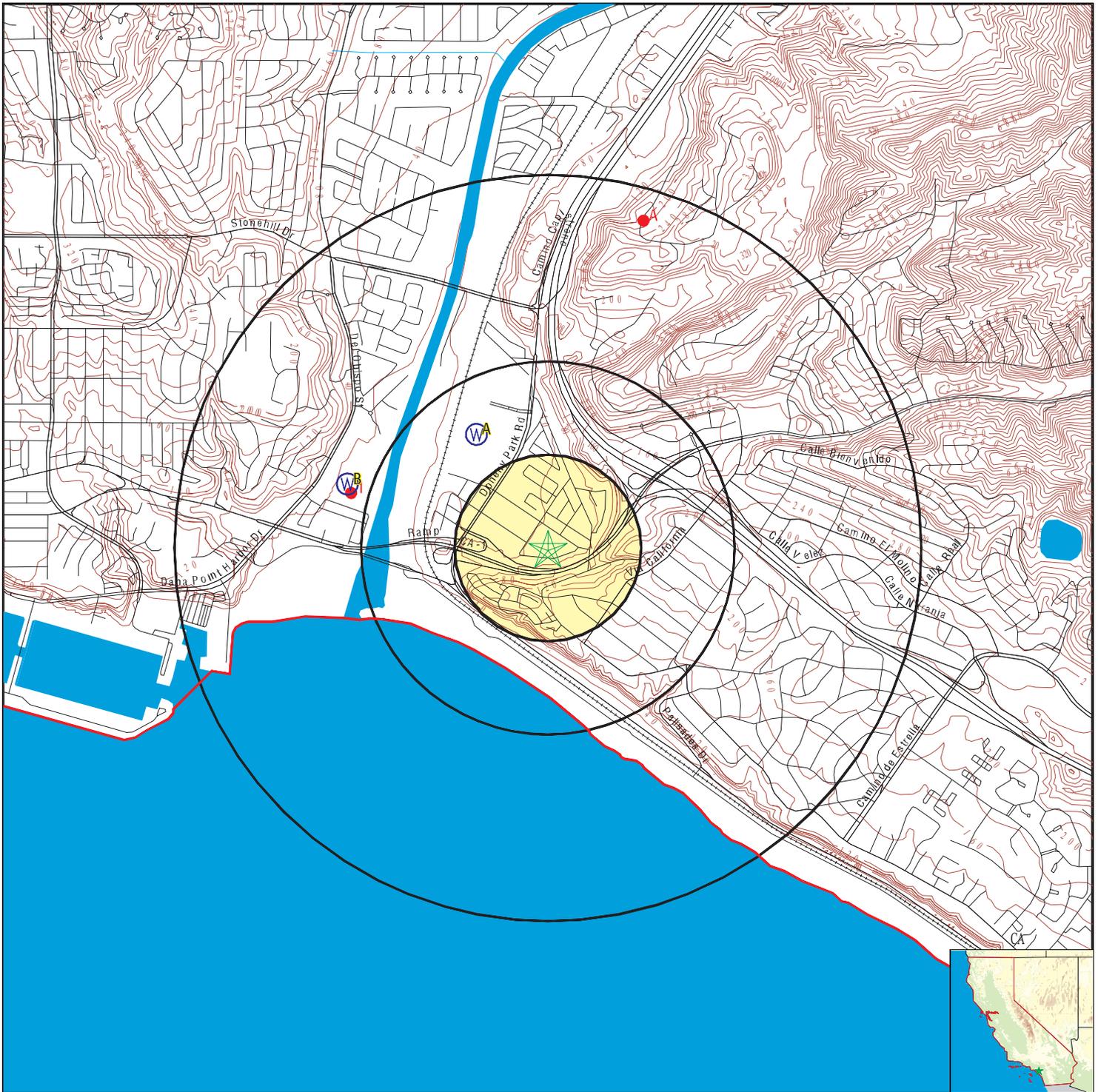
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CADW60000015600	1/4 - 1/2 Mile NNW
A2	CADW60000005097	1/4 - 1/2 Mile NNW
B3	8661	1/2 - 1 Mile WNW
B4	8659	1/2 - 1 Mile WNW
B5	8660	1/2 - 1 Mile WNW

OTHER STATE DATABASE INFORMATION

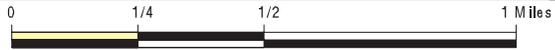
STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG11000226977	1/2 - 1 Mile WNW
A2	CAOG11000217780	1/2 - 1 Mile NNE
A3	CAOG11000218056	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 5560241.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- 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: CUSD South Transportation Yard
 ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach CA 92624
 LAT/LONG: 33.464211 / 117.67489

CLIENT: Leighton and Associates, Inc.
 CONTACT: Robert Lovdahl
 INQUIRY #: 5560241.2s
 DATE: February 12, 2019 2:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Lower

CA WELLS CADW60000015600

Objectid:	15600	Latitude:	33.468628
Longitude:	-117.678198	Site code:	334686N1176782W002
State well numbe:	Not Reported	Local well name:	'MW-01S'
Well use id:	1	Well use descrip:	Observation
County id:	30	County name:	Orange
Basin code:	'9-1'	Basin desc:	San Juan Valley
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000015600		

A2
NNW
1/4 - 1/2 Mile
Lower

CA WELLS CADW60000005097

Objectid:	5097	Latitude:	33.468629
Longitude:	-117.678197	Site code:	334686N1176782W001
State well numbe:	08S08W23A001S	Local well name:	'MW-01N'
Well use id:	1	Well use descrip:	Observation
County id:	30	County name:	Orange
Basin code:	'9-1'	Basin desc:	San Juan Valley
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000005097		

B3
WNW
1/2 - 1 Mile
Lower

CA WELLS 8661

Seq:	8661	Prim sta c:	08S/08W-23A07 S
Frds no:	3010055002	County:	30
District:	08	User id:	TEE
System no:	3010055	Water type:	G
Source nam:	WELL 07 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	332800.0	Longitude:	1174100.0
Precision:	8	Status:	DS
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3010055	System nam:	CAPISTRANO BEACH CWD
Hqname:	Not Reported	Address:	BOX 2515
City:	CAPISTRANO BEACH	State:	Not Reported
Zip:	92624	Zip ext:	Not Reported
Pop serv:	22766	Connection:	7133
Area serve:	CAPISTRANO,DANA PT.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B4
WNW
1/2 - 1 Mile
Lower

CA WELLS 8659

Seq:	8659	Prim sta c:	08S/08W-14Q01 S
Frds no:	3010055003	County:	30
District:	08	User id:	TEE
System no:	3010055	Water type:	G
Source nam:	WELL 07 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	332800.0	Longitude:	1174100.0
Precision:	8	Status:	DS
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3010055	System nam:	CAPISTRANO BEACH CWD
Hqname:	Not Reported	Address:	BOX 2515
City:	CAPISTRANO BEACH	State:	Not Reported
Zip:	92624	Zip ext:	Not Reported
Pop serv:	22766	Connection:	7133
Area serve:	CAPISTRANO,DANA PT.		

B5
WNW
1/2 - 1 Mile
Lower

CA WELLS 8660

Seq:	8660	Prim sta c:	08S/08W-23A04 S
Frds no:	3010055001	County:	30
District:	08	User id:	TEE
System no:	3010055	Water type:	G
Source nam:	WELL 04 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	332800.0	Longitude:	1174100.0
Precision:	8	Status:	DS
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3010055	System nam:	CAPISTRANO BEACH CWD
Hqname:	Not Reported	Address:	BOX 2515
City:	CAPISTRANO BEACH	State:	Not Reported
Zip:	92624	Zip ext:	Not Reported
Pop serv:	22766	Connection:	7133
Area serve:	CAPISTRANO,DANA PT.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

WNW
1/2 - 1 Mile

OIL_GAS CAOG11000226977

Districtnu:	1	Apinumber:	25901223
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Union Oil Company of California	Countyname:	Orange Offshore
Fieldname:	Any Field	Areaname:	Any Area
Section:	23	Township:	08S
Range:	08W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Vaciadero Fee Core Hole	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000226977		

A2

NNE
1/2 - 1 Mile

OIL_GAS CAOG11000217780

Districtnu:	1	Apinumber:	05900985
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	Roy Gill - Oper.	Countyname:	Orange
Fieldname:	Any Field	Areaname:	Any Area
Section:	13	Township:	08S
Range:	08W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	Forster	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0	Redrillfoo:	0
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000217780		

A3

NNE
1/2 - 1 Mile

OIL_GAS CAOG11000218056

Districtnu:	1	Apinumber:	05901281
Blmwell:	N	Redrillcan:	Not Reported
Dryhole:	Y	Wellstatus:	P
Operatorna:	C. A. Welsh	Countyname:	Orange
Fieldname:	Any Field	Areaname:	Any Area
Section:	13	Township:	08S
Range:	08W	Basemeridi:	SB
Elevation:	Not Reported	Locationde:	Not Reported
Gissourcec:	hud	Comments:	Not Reported
Leasename:	O. K. Carr	Wellnumber:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Epawell: N
Confidenti: N
Welldeptha: 0
Abandonedd: Not Reported
Directiona: Unknown
Site id: CAOG11000218056

Hydraulica: N
Spuddate: Not Reported
Redrillfoo: 0
Completion: Not Reported
Gissymbol: PDH

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92624	3	1

Federal EPA Radon Zone for ORANGE County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX F
REGULATORY AGENCY RESPONSES & RECORDS



Leighton



Jared Blumenfeld
Secretary for
Environmental Protection



Department of Toxic Substances Control

Meredith Williams, Ph.D.
Acting Director
2375 Northside Drive, Suite 100
San Diego, California 92108



Gavin Newsom
Governor

February 11, 2019

Robert Lovdahl
Leighton
17781 Cowan
Irvine, California 92614

Re: 26126 Victoria Boulevard, Dana Point, California 92624

Dear Robert Lovdahl:

We have received your Public Records Act Request for records from Department of Toxic Substances Control. After review of our files we have found that, **no** such records exist at the **San Diego** office pertaining to the site/facility referenced above.

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. Envirostor can be accessed at:
<http://www.envirostor.dtsc.ca.gov/public>.

If you have any questions, or would like further information regarding your request, please contact our Regional Records Coordinator at (619) 516-1982.

Sincerely,

Beatriz Davila
Office Technician



Jared Blumenfeld
Secretary for
Environmental Protection



Department of Toxic Substances Control

Meredith Williams, Ph.D.
Acting Director
5796 Corporate Avenue
Cypress, California 90630



Gavin Newsom
Governor

February 15, 2019

Robert Lovdahl
LEIGHTON & ASSOCIATES INC
17781 Cowan
Irvine, CA 92614

26127 VICTORIA BOULEVARD, DANA POINT, CA
PR4-020819-2

Dear Ms./Mr. Lovdahl:

We have received your Public Records Act Request for records from Department of Toxic Substances Control.

After a thorough review of our files we have found that, no such records exist at this office pertaining to the site/facility referenced above.

We would like to inform you about Envirostor, a database that provides information and documents on over 5,000 DTSC cleanup sites. Envirostor can be accessed at:
<http://www.envirostor.dtsc.ca.gov/public>.

If you have any questions, would like further information regarding your request, please contact our Regional Records Coordinator at (714) 484-5337.

Sincerely,

Julie Johnson
Julie Johnson
Regional Records Coordinator
Cypress Administrative Services

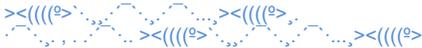
From: [Lima, Lucas@Waterboards](mailto:Lima.Lucas@Waterboards) on behalf of RB9_Records.WB@Waterboards
To: [Robert Lovdahl](mailto:Robert.Lovdahl)
Subject: RE: SD Water Board Records Request - 26126 Victoria Blvd., Dana Point
Date: Wednesday, February 13, 2019 12:58:17 PM

Good afternoon Robert.

The only records we could find can be accessed using the following link:
http://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902398

Sincerely,

Lucas Lima | Public Records Coordinator
San Diego Regional Water Quality Control Board
2375 Northside Drive, Suite 100
San Diego, CA 92108
(619) 516-1990



From: Robert Lovdahl <rLovdahl@leightongroup.com>
Sent: Friday, February 8, 2019 2:59 PM
To: RB9_Records, WB@Waterboards <rb9_records@waterboards.ca.gov>
Subject: SD Water Board Records Request - 26126 Victoria Blvd., Dana Point

To Whom it May Concern,

Leighton and Associates, Inc. (Leighton) is performing a Phase I Environmental Site Assessment for the property located at the following address:

26126 Victoria Boulevard, Dana Point, California 92624

We are requesting any information concerning hazardous waste/materials, underground storage tanks, leaking underground storage tank cleanups, inspections, violations, or any other environmental sensitive spills, responses or concerns.

Thank you for your assistance.

Robert Lovdahl, PG

Project Geologist
17781 Cowan
Irvine, CA 92614
Cell – (949) 307-0527
Office – (949) 681-4282

Leighton

Solutions You Can Build On

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**COUNTY OF ORANGE
HEALTH CARE AGENCY**

**REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH**

JULIETTE A. POULSON, RN, MN
INTERIM DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

JACK MILLER, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

E-MAIL: environhealth@hca.co.orange.ca.us

July 26, 2000

James Gannon
Capistrano Unified School District
2B Liberty
Aliso Viejo, CA 92656

Subject: Remedial Action Completion Certification

Re: Underground Storage Tank (UST) Case
Capistrano Unified School District
26126 Victoria Blvd., Capistrano Beach, CA
O.C.H.C.A. Case #90UT28

Dear Mr. Gannon:

This letter confirms the completion of site investigation and corrective action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground storage tank are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact James Strozier of our office at (714) 667-3711 if you have any questions regarding this matter.

Sincerely,

Jack Miller, REHS, Director
Environmental Health

JM:jcs

Attachment: Case Closure Summary

cc. Sue Pease, San Diego Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health

JS/closure

202

**SOUTH COAST
WATER DISTRICT**
Partnering With The Community



Board of Directors

William Green
President

February 12, 2019

Dennis Erdman
Vice President

Mr. Robert Lovdahl

Doug Erdman
Director

Leighton Group

Sent via email to: rLovdahl@leightongroup.com

Rick Erkeneff
Director

Dear Mr. Lovdahl:

Wayne Rayfield
Director

We have received your Public Records Act dated February 8, 2019 (received in our office on February 11, 2019) regarding documents relating to the property located at 26126 Victoria Boulevard, Dana Point, California 92624. The District has no documents responsive to your request.

Please note that the above address is not owned by South Coast Water District; SCWD simply provides the water and wastewater service to this property.

Sincerely,

Jody Brennan
Clerk of the Board/Custodian of Records

From: [Orange County Public Records](#)
To: [Robert Lovdahl](#)
Subject: [Document Released to Requester] Orange County public records request #19-387
Date: Wednesday, February 20, 2019 8:54:05 AM

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

Orange County Public Records

Hi there

Documents have been released for record request #19-387 along with the following message:

Attached, please find the information requested. The information was prepared in the ordinary course of the business concerned at or near the time of the act, condition, or event, which they depict.

If you have any question, please call this office at (714) 433-6015.

- 90UT028 COM..pdf
- 90UT028 #1-COM.pdf
- 90UT028 #2-COM.pdf
- 90UT028 #3-COM.pdf
- 90UT028 #4-COM.pdf
- 90UT028 #5-COM.pdf
- 90UT028 #6-COM..pdf
- 90UT028 #7-COM.pdf
- FA0025179-HW.pdf
- FA0025179-UST.pdf

[View Request 19-387](#)

<http://orangecounty.nextrequest.com/requests/19-387>

Document links are valid for one month. After March 20, you will need to sign in to view the document(s).



POWERED BY NEXTREQUEST

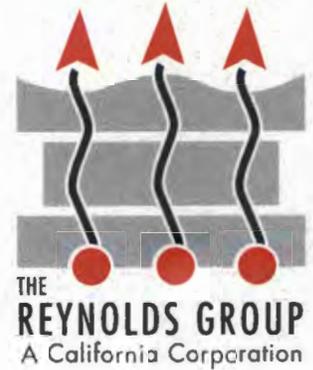
The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at Orange County.

Technical support: See our [help page](#)

February 2, 2000

Mr. James Stozier
**ORANGE COUNTY HEALTH
CARE AGENCY**
2009 East Edinger Avenue
Santa Ana, CA 92705



**SITE: CAPISTRANO UNIFIED SCHOOL DISTRICT
TRANSPORTATION AND MAINTENANCE YARD
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA**

**SUBJECT: RESULTS OF SINGLE WELL (MW-1) GROUNDWATER
MONITORING**

Dear Mr. Stozier,

We are pleased to submit this groundwater monitoring report for the subject site (see Figure 1). The sampling rounds were performed on January 26 (grab sample) and January 31 (purge sample), 2000. Included in this letter are descriptions of our groundwater monitoring and sampling procedures and the analytical results.

One grab samples and one purge sample were collected from monitoring well MW-1 (New). MW-1 (New) is located approximately ten feet from where the old well was located. Total petroleum hydrocarbons (TPH) as gasoline were detected at 742 parts per billion (ppb). Benzene, toluene, ethylbenzene and xylenes (BTEX) were also detected in the sample. Methyl tertiary butyl ether (MTBE) results were "non-detect".

GROUNDWATER MONITORING AND SAMPLING PROCEDURES

On January 26th and again on January 31st a representative of TRG visited the site to perform groundwater monitoring on the well designated as MW1 (New). Figure 2 shows the well location. A grab sample was collected on January 26th and a purge sample was collected on January 31st. Field notes are attached to this report.

Mr. Jim Strozier
Re: 26126 Victoria Blvd., Capistrano Beach
February 2, 2000
Page 2

To obtain the grab sample on January 26th, the bailer was attached to new, disposable nylon twine and slowly lowered into the monitoring well to reduce agitation of the groundwater. The water from the filled bailer was extracted to a sample vial using a disposable bottom-emptying device (BED).

For the purge sample collected on January 31st, the well was purged until three well volumes were evacuated. Once three well volumes had been removed the well was allowed to recharge to 80 percent of the original well volume. A groundwater sample was then collected from the surface of the aquifer using a disposable plastic bailer. As with the grab sample, the bailer was attached to new, disposable nylon twine and slowly lowered into the monitoring well to reduce agitation of the groundwater. The water from the filled bailer was extracted to a sample vial using a disposable BED.

At each sampling event, the water sample was emptied into a pre-cleaned 40 milliliter (mL) chilled sample vial. The sample vial was overfilled to avoid headspace. The filled sample vial was labeled, placed in an ice-cooled chest, and transported to Chemical and Environmental Laboratories, a state certified laboratory located in Santa Fe Springs, California, following chain-of-custody procedures.

GROUNDWATER SAMPLING AND RESULTS OF LABORATORY ANALYSES

Both the grab sample and purge sample from MW-1 were analyzed for total petroleum hydrocarbons (TPH) according to EPA Method 8015 modified for gasoline, and for benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 602. Results from this and the previous rounds of well monitoring are summarized in Table 1. The laboratory report and chain-of-custody documentation are attached.

Mr. Jim Strozier
Re: 26126 Victoria Blvd., Capistrano Beach
February 2, 2000
Page 3

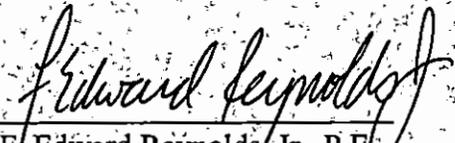
RESULTS

In the grab sample, TPH as gasoline was detected at 742 ppb. Benzene (at 33.9 ppb), toluene (at 13.3 ppb), ethylbenzene (at 391.5 ppb) and xylenes (at 17.1 ppb) were also detected in the sample. MTBE results were "non-detect"

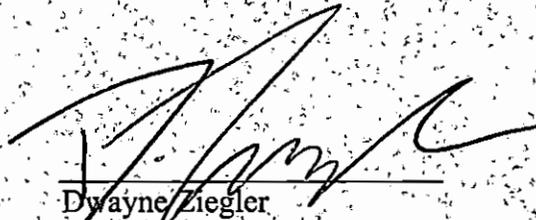
In the purge sample, TPH as gasoline was detected at 243 ppb, benzene at 10.8 ppb, and ethylbenzene at 76.8 ppb. The purge sample was "non-detect" for toluene, xylenes and MTBE.

If you need any further information, please contact Dwayne Ziegler at (714)730-5397.

Sincerely
THE REYNOLDS GROUP
A California Corporation



E. Edward Reynolds, Jr., P.E.
California Registered Civil Engineer
#38677



Dwayne Ziegler
Project Manager

Attachments

cc: Mark Bauer, **CAPISTRANO UNIFIED SCHOOL DISTRICT**

"OLD" MW-1

Summary of Groundwater Monitoring Results
(Results in Parts Per Billion ug/L)

Well I.D.	Sample Date	TPH Diesel	TPH Gas	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-1	12/28/95	ND	23,000	3,282.3	8,397.8	275.1	4,288.4	NA
	4/1/96	ND	600	222.3	5.1	22.2	3.7	ND
	7/15/96	ND	1,900	711.8	44.4	67.1	50.2	ND
	10/11/96	ND	2,100	627.3	50.3	29.9	62.7	ND
	1/29/97	ND	2,899	841.1	314.9	8.7	227.6	43.0
	4/23/97	ND	1,063	617.3	8.1	5.1	4.9	11.0
	8/6/97	ND	39,470	14,312	1,471.8	3,021.3	1,251.5	209
	11/25/97	NA	45,040	15,203	5,201	3,519.9	1,338.4	120

"NEW" MW-1

Summary of Groundwater Monitoring Results
(Results in Parts Per Billion - ug/L)

Well ID	Date Sampled	TPH Gas	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
MW1	2/11/99	5,909	1,210.1	ND	ND	ND	ND
	10/29/99	166	ND	0.9	ND	1.9	18
	1/26/00 (grab)	742	33.9	13.3	391.5	17.1	ND
	1/31/00 (purge)	243	10.8	ND	76.8	ND	ND

Feb-18-00 02:38P

RECEIVED

FEB 18 2000

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ozier
Victoria Blvd., Capistrano Beach
2, 2000

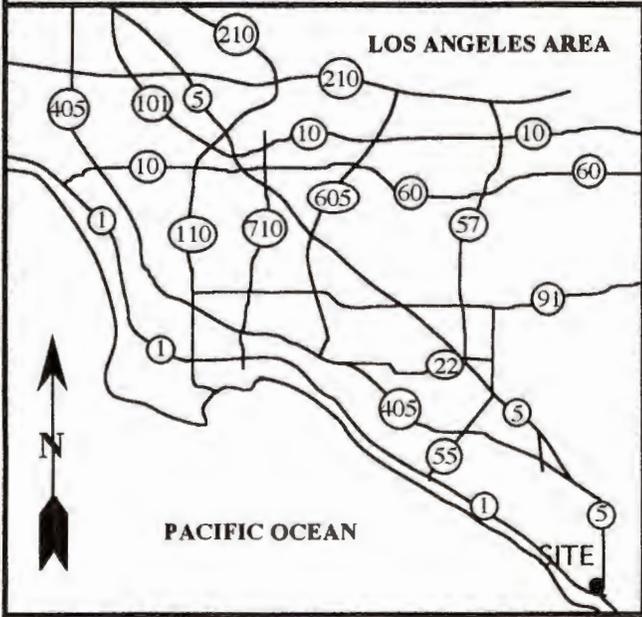
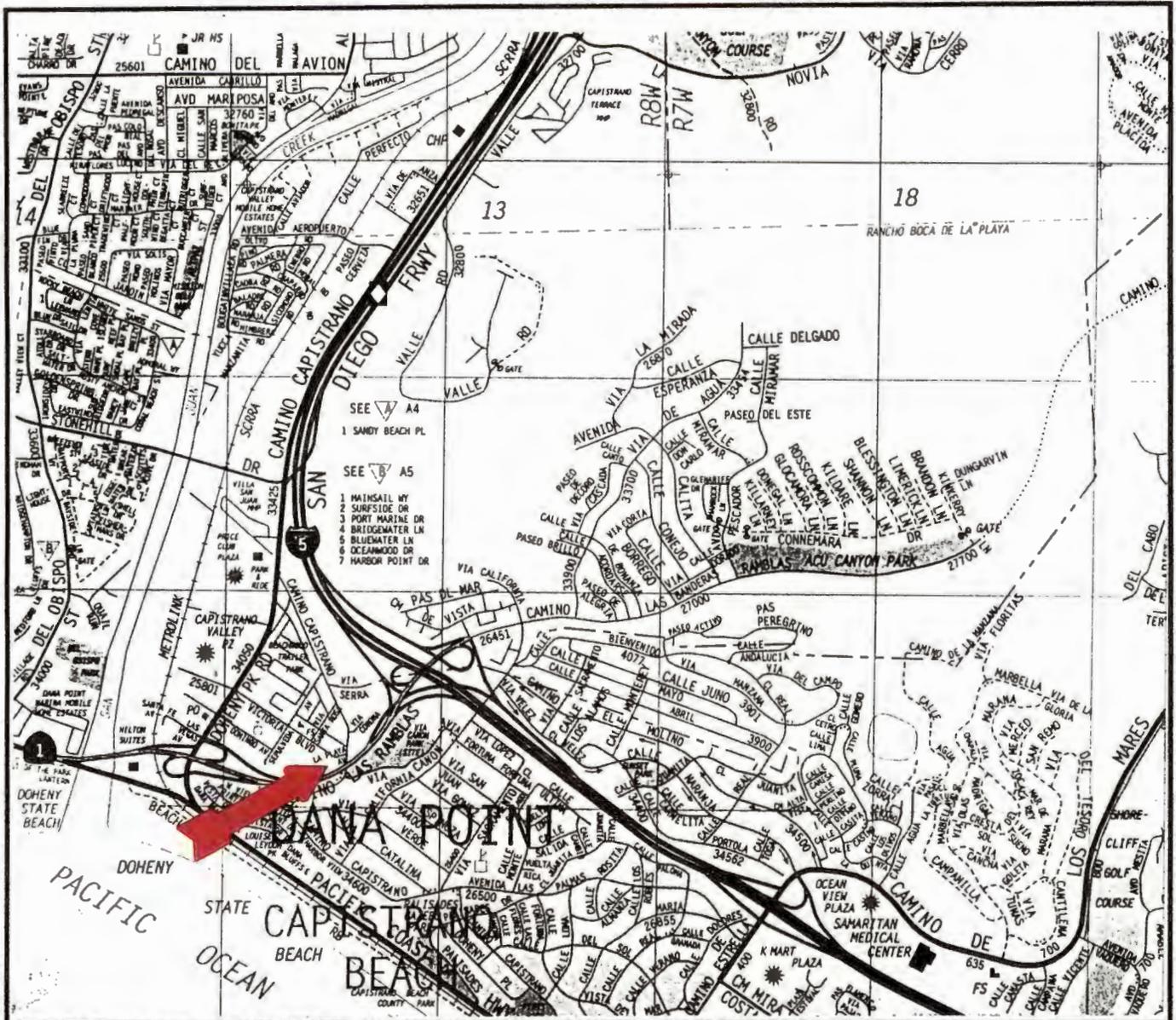
TABLE 1
SUMMARY RESULTS OF GROUNDWATER MONITORING
RESULTS IN PPB (µg/L)

Well ID	Date Sampled	TPH Gas	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
MW1	2/11/99	5,909	1,210.1	ND	ND	ND	ND
	10/29/99	166	ND	0.9	ND	1.9	18
	1/26/00 (grab)	742	33.9	13.3	391.5	17.1	ND
	1/31/00 (purge)	243	10.8	ND	76.8	ND	ND

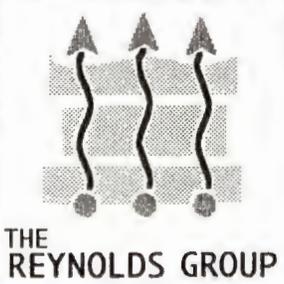
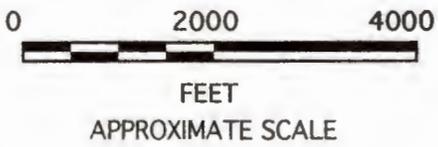
Note: ND = Non-Detect

FIGURE 1

SITE LOCATION MAP



ADAPTED FROM 1997 ORANGE COUNTY THOMAS BROTHERS GUIDE PAGE 972.



THE REYNOLDS GROUP

FIGURE 1
SITE LOCATION MAP
 CAPISTRANO U.S.D.
 TRANSPORT. & MAINTENANCE
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH,
 CALIFORNIA

FIGURE 2

**PLOT PLAN WITH
WELL LOCATION**

DRIVEWAY

SIDEWALK

6' HIGH CHAIN LINK FENCE

TIRE STORAGE BUILDING

DRIVE APPROACH

FUEL ISLANDS

TLS-350 CONSOLE
EMERGENCY SHUT-OFF

B-5

B-3

B-1

MW1 (OLD)

B-2

MW1 (NEW)

B-4

AREA OF EXCAVATION
(29 FEET DEEP)

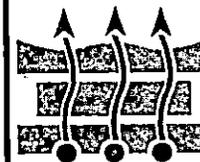
CONCRETE

CONCRETE

ASPHALT PAVING

Scale 1" = 10'

PLOT PLAN WITH GROUNDWATER MONITORING WELL LOCATION



THE REYNOLDS GROUP
ENVIRONMENTAL SERVICES

CAPISTRANO UNIFIED SCHOOL DISTRICT

VICTORIA BLVD
CAPISTRANO BEACH

FIGURE

2

PROJECT NUMBER
5075 - CAPO

**LABORATORY REPORT AND
CHAIN OF CUSTODY DOCUMENTATION**

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

January 27, 2000

Certificate No.: 2268

Mr. Dwayne Ziegler
The Reynolds Group
250 El Camino Real, Ste. 204
Tustin, CA 92680

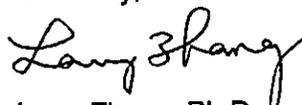
Project: 5075 Capo

Dear Mr. Ziegler:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely,



Larry Zhang, Ph.D.
Laboratory Director

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

QC REPORT

Spike/Spike Duplicate

-- 602 --

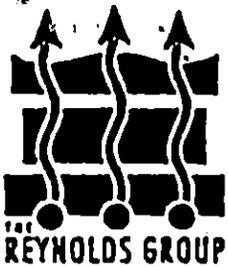
Date Performed: 01/26/00

Lab Sample I.D.: K0126C

Unit: ug/L

ANALYTE	SPK CONC	MS (ug/L)	MS %	MSD (ug/L)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	40	32.1	80	33.8	85	5.2	80-120	20
Toluene	40	35.0	88	37.7	94	7.4	80-120	20
Ethylbenzene	40	38.4	96	39.2	98	2.1	80-120	20
Xylenes	40	36.2	91	39.3	98	8.2	80-120	20

FIELD NOTES



WATER SAMPLING LOG

Project No. 5075 Capa unified Date 1-26-00

Site Location 26126 Capa Victoria

Well No. MW-1 Sampling Personnel _____

Weather _____ Time of Sampling 0840

EVACUATION DATA

Total Sounded Depth of Well Below MP 49.90 Water-Level Elevation _____

Depth to Water Below MP 17.45

Water Column in Well _____

Diameter of Casing 2"

Gallons per Foot .16

Gallons Pumped/Bailed Prior to Sampling _____

Gallons in Well _____

Evacuation Method Grab sample

Controller Readout (Hz) _____

Sampling Method and Material new disposable bailer

Constituents Sampled _____ Container Description From Lab X or _____ Preservative _____

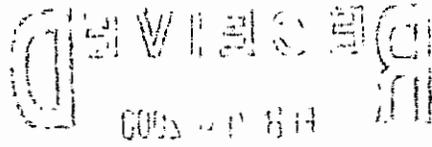
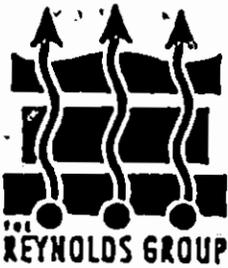
8015(G), 8020, MTBE 2X40mL Vials

Time	Cum. Vol. Purged	Ph	Temp.	Cond.	Comments

Remarks _____

WELL CASING VOLUMES

GAL/FT	1 1/2" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 3/4" = 0.10	2 1/2" = 0.24	3 1/2" = 0.50	6" = 1.46



WATER SAMPLING LOG

Project No. 5075 Capo Unified Date 1-31-00
 Site Location 26126 Victoria Capo Beach
 Well No. MW-1 Sampling Personnel JP
 Weather _____ Time of Sampling 1615

EVACUATION DATA

Total Sounded Depth of Well Below MP 49.90 Water-Level Elevation _____
 Depth to Water Below MP 16.86
 Water Column in Well 33.04 Diameter of Casing 2"
 Gallons per Foot 16
 Gallons in Well 5.2 Gallons Pumped/Bailed Prior to Sampling 15
 Evacuation Method Hand bail w/ pvc bailer
 Controller Readout (Hz) N/A
 Sampling Method and Material New disposable bailer

Container Description
 Constituents Sampled 8015(G), 8020, MIBZ From Lab X or _____ Preservative Ice + 5°C
2x 40 mL Vials

Time	Cum. Vol. Purged	Ph	Temp.	Cond.	Comments
1500	0	7.40	75	7.50	Clear, smells
1508	5	7.42	79	7.52	" "
1515	10	7.44	70.6	7.54	Turbid tan, smells
1522	15	7.42	69.7	7.52	" " "

Remarks _____

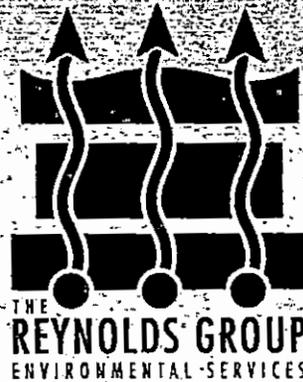
WELL CASING VOLUMES

GAL/FT	1 1/2" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1 3/4" = 0.10	2 1/2" = 0.24	3 1/2" = 0.50	6" = 1.46

RECEIVED

FEB 09 2000

ENVIRONMENTAL HEALTH



SOIL AND GROUNDWATER INVESTIGATION REPORT

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CAPISTRANO BEACH, CALIFORNIA**

DECEMBER, 1995

PREPARED FOR:

Mr. Jim Strozier
Hazardous Waste Specialist
ORANGE COUNTY HEALTH CARE AGENCY
Environmental Health Division
Hazardous Materials Management Section
2009 Edinger Avenue
Santa Ana, California 92705

PROJECT #4759-CAP

TABLE OF CONTENTS
SOIL AND GROUNDWATER
INVESTIGATION REPORT

CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CAPISTRANO BEACH, CALIFORNIA

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TABLES

TABLE 1	Summary of Results of Investigation Soil Samples
TABLE 2	Summary of Results of Groundwater Sample

FIGURES

FIGURE 1	Site Vicinity Map
FIGURE 2	Site Map with Boring/Monitoring Well Locations

APPENDICES

APPENDIX A	Boring Logs and Legend
APPENDIX B	Well Completion Details
APPENDIX C	Laboratory Report and Chain of Custody Documentation
APPENDIX D	Exploratory Borings and Soil Sampling Procedures
APPENDIX E	Well Installation Procedures
APPENDIX F	Groundwater Sampling and Analysis Procedures

SOIL AND GROUNDWATER INVESTIGATION REPORT

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CAPISTRANO BEACH, CALIFORNIA**

1.0 EXECUTIVE SUMMARY

The results of this single boring and groundwater monitoring well installation indicate that gasoline and BTEX contamination is present in both the soil and groundwater beneath the former 550 diesel UST. Concentrations of BTEX in the groundwater exceed the maximum allowable contamination levels (MCLs).

2.0 INVOLVED PARTIES

The Reynolds Group (TRG, the Consultant) conducted the limited subsurface investigation and groundwater well installation on behalf of the Capistrano Unified School District (the Client) and in accordance with the work plan dated December 12, 1995. Mr. David Randall and Mr. Adolph Olivares were the Client representatives who initiated the project. Mr. Jim Strozier, of the Orange County Health Care Agency (OCHCA), reviewed and approved the work plan in a letter dated December 19, 1995 and was present at the Site during the field work. J&H Drilling Co., Inc., of Anaheim, California provided drilling services. Soil and water analytical testing was performed by Chemical and Environmental Laboratories, Inc. (C&E), of Santa Fe Springs, California.

3.0 SITE SETTING/GEOLOGY

Capistrano Unified School District is located at 26126 Victoria Boulevard in Capistrano Beach, California (Figure 1). The Site is situated between Sepulveda Avenue and Santa Rosa Avenue, approximately 1/2 miles north of State Highway 1 and approximately 1/2 miles south of Interstate 5.

The subsurface soils are alluvial, consisting of medium grained sand to clayey sands with thin interbedded layers of sandy silt and sandy clay. Data collected during previous

investigations in the vicinity of the Site indicate depth to the first or perched groundwater varies between approximately 15 feet below ground surface (ft bgs) to approximately 28 ft bgs.

4.0 BACKGROUND

Hekimian and Associates, Inc. (Hekimian) removed two underground storage tanks (USTs) from the Site in December, 1989. One 550 gallon waste oil UST and one 550 gallon diesel UST were removed from the mechanic shop area of the Site (Figure 2). Elevated hydrocarbon concentrations were detected from excavation soils and from samples collected beneath the inverts of the tanks. Hekimian also provided limited subsurface investigation.

5.0 OBJECTIVE

TRG's objective was to assess the vertical concentrations of gasoline and diesel in soil and groundwater beneath the former diesel UST. This was accomplished by advancing one soil boring to approximately 40 feet below ground surface (ft bgs) and converting the boring to a groundwater monitoring well.

6.0 SCOPE OF WORK

To fulfill the objectives of the subsurface investigation, the following project work was conducted by TRG:

- Advanced one exploratory boring to 40 feet in the vicinity of the former diesel underground storage tank.
- Converted the boring to a single groundwater monitoring well.
- Collected soil samples at five foot intervals as the boring was advanced.
- Logged the subsurface lithology using the Unified Soil Classification System (USCS).
- Developed the groundwater monitoring well.

- Collected groundwater samples after well development.
- Completed laboratory analyses of collected soil and water samples for total hydrocarbons as gasoline and diesel and for benzene, toluene, ethylbenzene, and xylenes (BTEX).
- Prepared this report documenting the methodology, findings, field and analytical test results, and conclusions of this investigation.

A more detailed description of the work performed during the investigation is elaborated in the following sections of this report. Exploratory boring and soil sampling procedures, well installation procedures, and groundwater sampling and analysis procedures are presented in Appendices D, E, and F, respectively.

7.0 RESULTS OF FIELD INVESTIGATION

On December 20, 1995, TRG advanced one exploratory boring to 40 ft bgs, collected soil samples at five foot increments, and converted the boring into a groundwater monitoring well (boring B1).

Soil encountered during boring advancement consisted of layers of well sorted silty sand, silts, and clay interspersed through the depths of the borings. Groundwater was encountered in the borings at a depth of about 31 ft bgs. After well installation and over the course of eight days, the wells recharged beyond the 31 ft bgs level up to 20 ft bgs.

The boring was converted into a groundwater monitoring well. The monitoring well is labeled MW1. Well installation procedures are described in Appendix E and well completion details are included in Appendix B. The location of the monitoring well is shown on Figure 2. Fully saturated fine sands were encountered at approximately 31 ft bgs. Based on the subsurface conditions encountered during the boring advancement, the groundwater monitoring well was completed to a depth of approximately 40 ft bgs. The screened sections of the wells extend from approximately 15 ft bgs to approximately 40 ft bgs. A casing with a slot size of 0.010 and #2/16 Lonestar sand were used. The length of the screened section and the depth of the well was chosen based on the depth of saturated soil conditions.

The water surface in the wells were developed by surging and bailing. During development, approximately three casing volumes of water were removed from the well, and pH, conductivity, turbidity, and temperature of the water were monitored. These parameters stabilized after removal of approximately two casing volumes. A groundwater sample was collected from well MW1 on December 28, 1995. No free product was observed in the well.

During the boring advancement and well installation, generated soil cuttings and purged groundwater were placed in labeled DOT-approved 55-gallon drums and stored on-Site.

8.0 LABORATORY ANALYSIS AND RESULTS

Chemical & Environmental Laboratories, Inc. (C&E), of Santa Fe Springs, California, a State Certified laboratory, performed all analyses. The samples were analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 8015 modified for gasoline and for diesel. Samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020. Copies of the laboratory reports and chain of custody documentation are contained in Appendix C.

Six soil samples were analyzed. Four of the six samples indicated elevated concentrations of gasoline and BTEX. No diesel hydrocarbons were detected in any of the samples. Gasoline concentrations ranged from ND to 896 parts per million (ppm). BTEX concentrations ranged from ND to 61 ppm. Table 1 below summarizes the analytical results.

The one groundwater sample analyzed also indicated elevated concentrations of gasoline and BTEX with no detection of diesel hydrocarbons. Table 2 below shows its results.

**TABLE 1
SUMMARY OF ANALYTICAL RESULTS
ANALYSES OF INVESTIGATION SOIL SAMPLES
BY EPA METHODS 8015 MODIFIED FOR GASOLINE AND 8020**

BORING	SAMPLE ID	SAMPLE DEPTH (FT.)	ANALYZED COMPOUNDS					
			TPH AS DIESEL ¹	TPH AS GAS ²	B ³	T ³	E ³	X ³
B1	B1-10	10	ND ⁴	ND	ND	ND	ND	ND
B1	B1-15	15	ND	825.9	1.447	3.513	7.043	36.421
B1	B1-20	20	ND	510.6	4.799	15.888	10.105	40.510
B1	B1-25	25	ND	896.3	28.833	52.473	17.096	61.453
B1	B1-30	30	ND	ND	0.358	ND	ND	0.051
B2	B1-35	35	ND	ND	ND	ND	ND	ND

- Notes: 1) TPH as diesel analyzed according to EPA Method 8015 modified for diesel, ppm.
 2) TPH as gasoline analyzed according to EPA Method 8015 modified for gasoline, ppm.
 3) Benzene, toluene, ethylbenzene and xylenes (BTEX) analyzed according to EPA Method 8020, ppm.
 4) ND = compound not detected above specified detection unit.

**TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ANALYSES OF GROUNDWATER SAMPLES
BY EPA METHODS 8015 MODIFIED FOR GASOLINE AND 8020**

WELL	ANALYZED COMPOUNDS					
	TPH AS DIESEL ¹	TPH AS GAS ²	B ³	T ³	E ³	X ³
MW1	ND ⁴	23.0	3.2823	8.3978	0.2751	4.2884

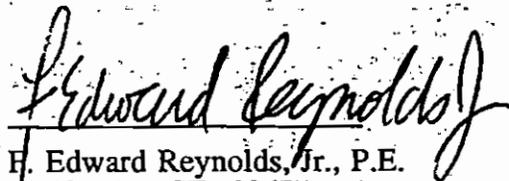
- Notes: 1) TPH as diesel analyzed according to EPA Method 8015 modified for diesel, ppm.
 2) TPH as gasoline analyzed according to EPA Method 8015 modified for gasoline, ppm.
 3) Benzene, toluene, ethylbenzene and xylenes (BTEX) analyzed according to EPA Method 8020, ppm.
 4) ND = compound not detected above specified detection unit.
 5) Disposable bailer used, therefore no blank generated.

9.0 DISCUSSION

Analytical results indicate gasoline and BTEX in both the soil and groundwater beneath the former 550 diesel UST. Groundwater concentrations exceed the drinking water standards (maximum contamination levels, MCL's) except for ethylbenzene. These standards are 0.001 ppm for benzene, 0.100 ppm toluene, 0.680 ppm ethylbenzene, and 1.750 ppm for total xylenes. In MW1, the analytical results were 3.282 ppm, 0.275 ppm, 4.288 ppm, respectively.

10.0 LIMITATIONS

The findings and conclusions presented above are based upon the agreed upon scope of work outlined in the above report. Consultant makes no warranties or guarantees as to the accuracy or completeness of information obtained from information provided or compiled by others. It is possible that information which was not found exists beyond the scope of this investigation. Additional information which was not found or available to Consultant at the time of writing of this report, may result in a modification of the findings and conclusions presented. This report is not a legal opinion.


H. Edward Reynolds, Jr., P.E.
California RCE #38677

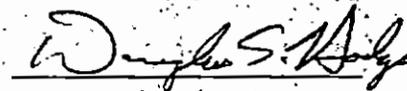

Douglas S. Hodge, Ph.D.
Project Manager

FIGURE 1
SITE LOCATION MAP

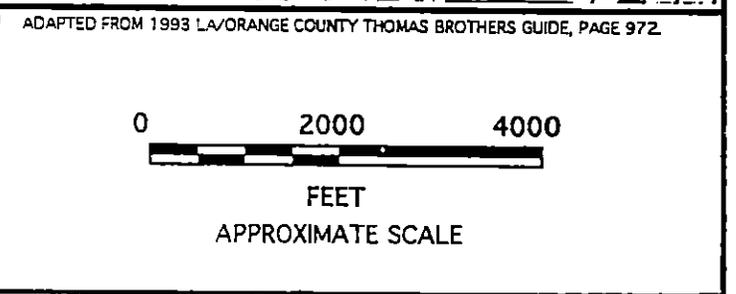
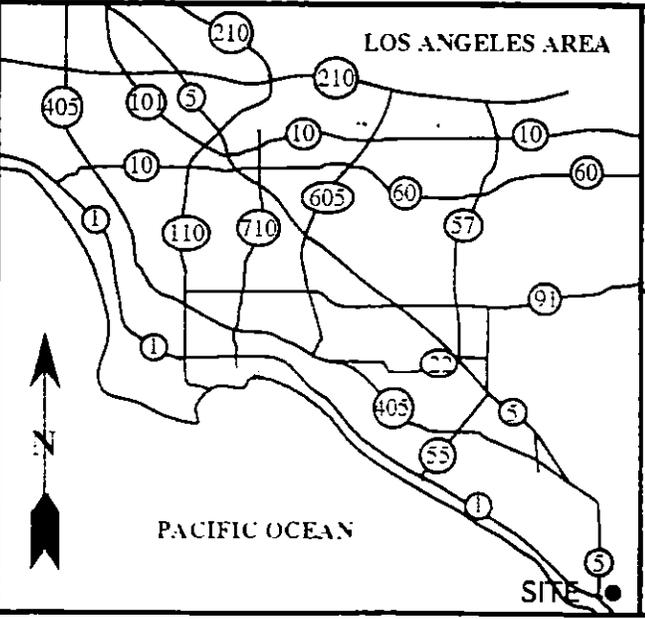
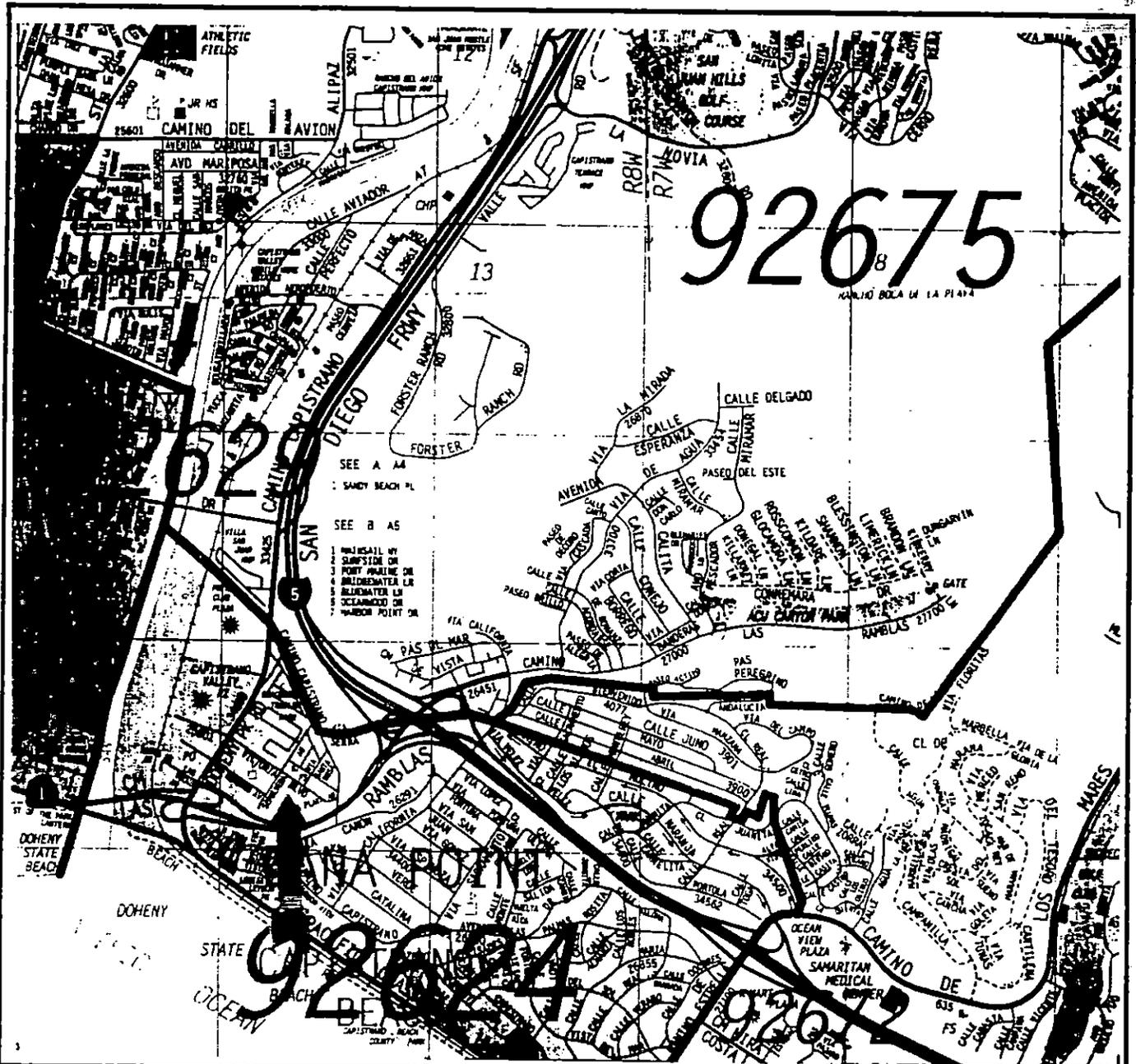
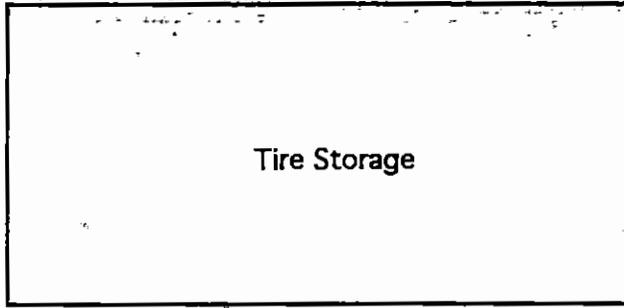


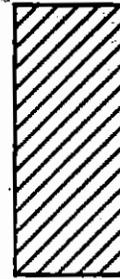
FIGURE 1
SITE LOCATION MAP
 CAPISTRANO UNIFIED
 SCHOOL DISTRICT
 26126 VICTORIA BLVD.
 SAN JUAN CAPISTRANO, CA

THE REYNOLDS GROUP
 DECEMBER 1995

FIGURE 2
PLOT PLAN WITH BORING
AND WELL LOCATION



5,000 gal.
Diesel Tank



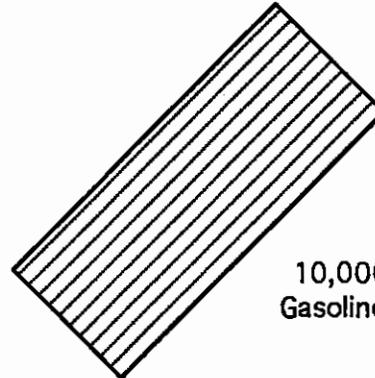
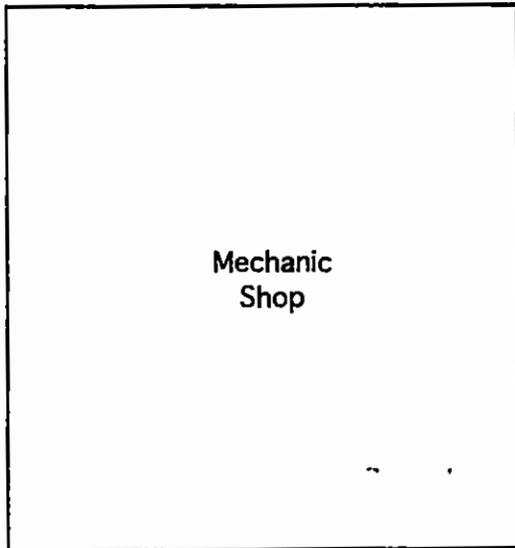
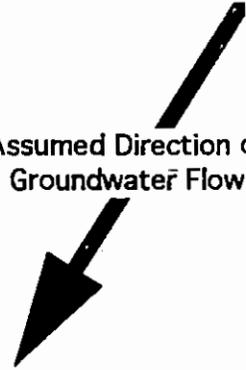
Former
Drain UST



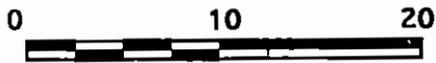
Former
Gasoline UST



Assumed Direction of
Groundwater Flow



10,000 gal.
Gasoline Tank



FEET
APPROXIMATE SCALE

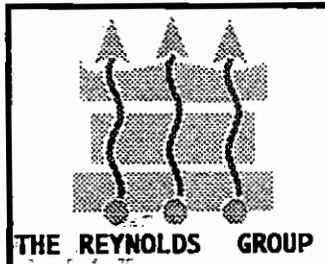


FIGURE 2
PLOT PLAN WITH WELL LOCATION
CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA
DECEMBER 1995

APPENDIX A
BORING LOGS AND LEGEND

BORING LOG

Project Name: Capistrano Beach Unified	Project #: 4430-FST29	Boring #: MW1
Location: 26126 Victoria Boulevard Capistrano Beach, CA		Page: 1 of 1

Field Log By: D. Hodge	Elevation at Top of Casing: NA	Start	Finish
Log Reviewed By: F. E. Reynolds, Jr.	Drilling Depth to First Water: NA	Time: 0800	Time: 1130
Drilling Contractor: J & H Drilling	Total Depth of Boring: 40	Date: 10/20/95	Date: 10/20/95

Drilling Equipment: Drill rig equipped with a continuous flight, 10-inch hollow stem auger.

Sampling Equipment: California split-spoon sampler (1.5-inch ID) with brass sampling sleeves.

Depth (feet)	Headspace (mg/kg)	Well Construction Detail	Blow Counts	Sample Type	Sample ID	Graphic Log	USCS Symbol	Description	Remarks
0								asphalt	
1							CL		
2									
3									
4									
5	0		2	▲	MW1-5			CLAY, Silty, fine Sandy, very dark grayish brown.	
6			2	▲					
7									
8									
9									
10	10		8	▲	MW1-10		ML	SILT, Clayey, very dark grayish brown.	
11			10	▲					
12			12	▲					
13									
14									
15	100		4	▲	MW1-15		CL	CLAY, Silty, very dark grayish brown.	
16			4	▲					
17			6	▲					
18									
19									
20	110		2	▲	MW1-20			CLAY, dark grayish brown.	
21			2	▲					
22			3	▲					
23									
24									
25	110		2	▲	MW1-25			CLAY, dark grayish brown.	
26			2	▲					
27			3	▲					
28									
29									
30	10		2	▲	MW1-30			CLAY, dark grayish brown.	
31			2	▲					
			3	▲					*saturated soil conditions at 31 ft bgs.

APPENDIX B
WELL COMPLETION DETAILS

MONITORING WELL DETAILS

PROJECT NAME: Capistrano Beach Unified School Dist.

WELL ID: **B1/MW1**

PROJECT NUMBER: 4759-CAP

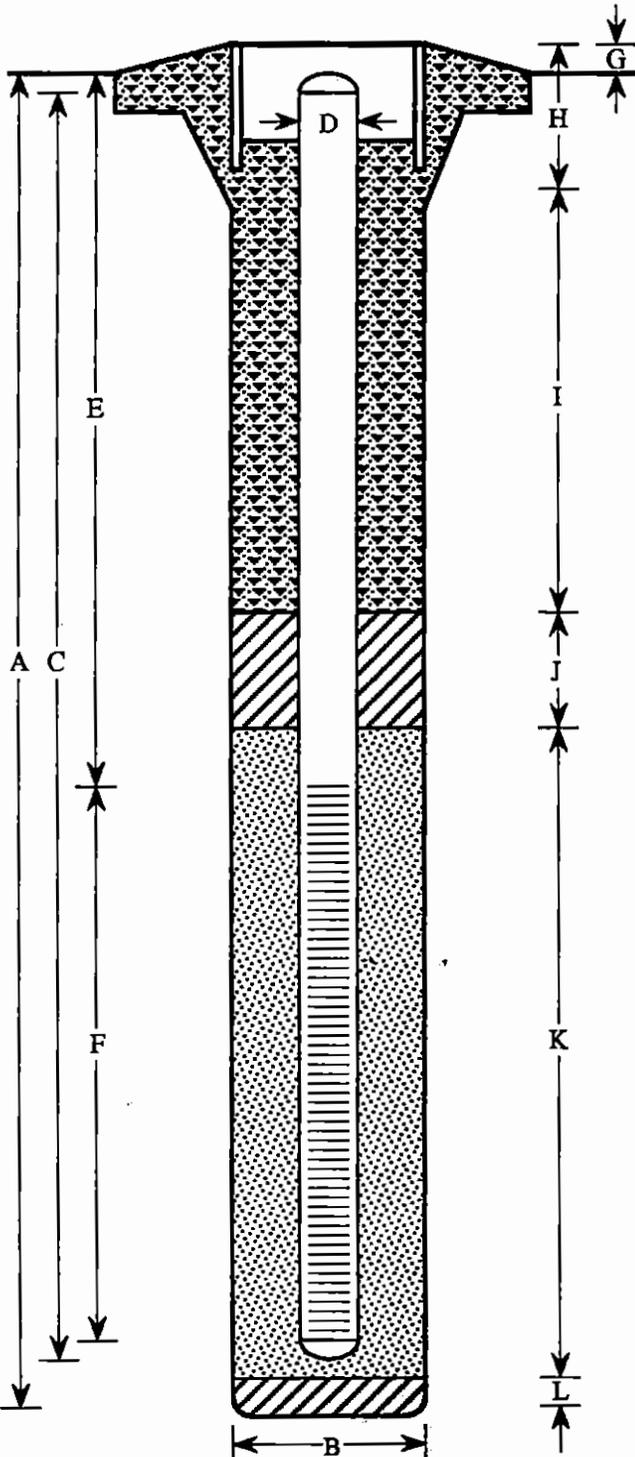
TOP OF CASING ELEVATION:

LOCATION: 26126 Victory Blvd.
Capistrano Beach, CA

CASING TYPE: schedule 40 PVC

INSTALLATION DATE: December, 1995

WELL PERMIT NUMBER:



- A. TOTAL DEPTH OF BORING: 40 feet
- B. BORING DIAMETER: 10 inches
- C. CASING LENGTH: 40 feet
- D. CASING DIAMETER: 4 inches
- E. DEPTH TO TOP OF PERFORATIONS: 15 feet
- F. PERFORATED LENGTH: 25 feet
Perforated from 15 to 40 feet
Perforation type: factory slotted
Perforation size: 0.010 inches
- G. COVER HEIGHT ABOVE GRADE: 1 inch
- H. SURFACE COMPLETION: 1 foot
Material: concrete/bentonite slurry
- I. BACKFILL: 4 feet
Material: concrete/bentonite slurry
- J. FILTER PACK BRIDGE: 2 feet
Material: bentonite pellets
- K. FILTER PACK: 23 feet
Material: 2/16 Sand
- L. BOTTOM ZONE (if needed): 1 foot
Material: bentonite pellets

APPENDIX C

**LABORATORY REPORT AND CHAIN OF CUSTODY
DOCUMENTATION**

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---M8015(Gasoline)/M8020(BTEX)---

Client Name: The Reynolds Group
 Project Manager: Doug Hodge
 Project Name:

Date Sampled: 12-20-95
 Date Analyzed: 12-24-95
 Date Reported: 12-27-95

Sample Identification		Result (mg/kg or ppm)				
C&E ID	Sample ID	M8015 Gasoline	M8020 Benzene	M8020 Toluene	M8020 Ethylbenzene	M8020 Xylenes
51221A-1	B1-10	ND	ND	ND	ND	ND
51221A-2	B1-15	825.9	1.447	3.513	7.043	36.421
51221A-3	B1-20	510.6	4.799	15.888	10.105	40.510
51221A-4	B1-25	896.3	28.833	52.473	17.096	61.453
51221A-5	B1-30	ND	0.358	ND	ND	0.051
51221A-6	B1-35	ND	ND	ND	ND	ND
Detection Limit:		10	0.005	0.005	0.005	0.015

ND = Not detected at the indicated detection limit.

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL REPORT

---M8015(Gasoline)/M602(BTEX)---

Client Name: The Reynolds Group
 Project Manager: Doug Hodge
 Project Name: Capistrano Beach

Date Sampled: 12-28-95
 Date Analyzed: 12-28-95
 Date Reported: 12-29-95

Sample Identification		Result (mg/L or ppm)				
C&E ID	Sample ID	M8015 Gasoline	M602 Benzene	M602 Toluene	M602 Ethylbenzene	M602 Xylenes
51228B-1	MW 1	23.0	3.2823	8.3978	0.2751	4.2884
Detection Limit:		0.1	0.0003	0.0003	0.0003	0.0005

ND = Not detected at the indicated detection limit.

APPENDIX D

**EXPLORATORY BORINGS AND
SOIL SAMPLING PROCEDURES**

EXPLORATORY BORINGS AND SOIL SAMPLING

General procedures used by The Reynolds Group for drilling and sampling exploratory borings on this project are discussed below.

Before a drilling rig is mobilized, access issues with private property owners are resolved and an underground utility locating service contracted to investigate proposed boring site and arrange for site visits by public and private utility companies. The utility companies locate their installations with the aid of maps and the locating service verifies and marks the locations. Final boring locations are determined after these assessments are made. To confirm that no subsurface utilities will obstruct drilling, field personnel excavate 5 feet of soils around the boring locations.

For a site characterized by relatively shallow (less than 100-foot-deep) groundwater, exploratory borings are drilled with 8 to 10 inch hollow-stem auger drilling equipment. The augers have been steam-cleaned to prevent possible cross-contamination between boreholes. Where chemical analysis of samples is indicated, sampling equipment is also steam-cleaned between each sampling event.

Soil samples are collected at depths no farther apart than 5 feet using a modified California split-spoon sampler which is fitted with stainless-steel liners. As the sampler is driven into undisturbed soil ahead of the auger tip, soil accumulates in the liners. The sampler is retrieved from the ground and the liners are removed, sealed with Teflon tape and polypropylene end-caps, and stored on ice pending selection for analysis and transport to the laboratory. Chain-of-custody documentation accompanies samples to the laboratory.

Field characterization of contamination is based on visual and olfactory observations and on the results of a headspace analysis, in which a soil sample is removed from the liner, sealed in a mason jar or plastic bag, and exposed to direct sunlight for 10 to 15 minutes. The jar is shaken to release volatile hydrocarbons into the headspace between the soil and the jar cover. The headspace is probed by a tube attached to a portable photoionization detector (PID), by which volatile hydrocarbon content is measured. A minimum of one sample, typically that having the highest PID reading from a boring, is submitted for chemical analysis.

A detailed boring log is maintained for each exploratory boring from auger-return material and representative soil samples. Soil is logged in the field according to the Unified Soil Classification System, and the logging supervised by a California Registered Civil Engineer. Borings not completed as wells are backfilled with a bentonite-cement slurry by the tremie method.

Drill cuttings are stockpiled on site in 55-gallon DOT approved drums or covered with plastic sheeting until the results of chemical analyses are known. The petroleum hydrocarbon content of the stockpile is determined by analysis of a composite formed from samples collected from the subsurface of the stockpile. Recommendations for disposal of the cuttings are made on the basis of the analysis, and the cuttings are disposed of by the client.

APPENDIX E
WELL INSTALLATION PROCEDURES

WELL INSTALLATION PROCEDURES

Well permits are obtained from local and state regulatory agencies if needed and access issues are resolved with private property owners. A utility locating service is contracted to investigate the site for underground installations that may obstruct drilling in the proposed locations. The locating service schedules visits to the site by public and private utility companies, which locate their installations with maps. The locating service verifies and marks the locations. To confirm that there are no subsurface utilities to obstruct drilling, field personnel excavate 5 feet of soil around proposed boring locations.

Monitoring wells are drilled with hollow-stem auger equipment. Soil samples for analysis and stratigraphic classification are collected from auger-return material and from the borings at depth no more than 5 feet apart. In locations characterized by relatively shallow (less than 100-foot-deep) groundwater, the borings are drilled with 8 to 10 inch hollow-stem augers. Drilling equipment is routinely steam-cleaned to prevent potential cross-contamination between boreholes. Sampling equipment is likewise steam-cleaned in instances where chemical analysis of soil samples is anticipated.

Soil samples are collected with a modified California split-spoon sampler at depth no more than 5 feet apart. The split-spoon sampler, which is fitted with stainless steel or brass liners, is driven into undisturbed soil ahead of the auger tip, causing soil to accumulate in the liners. Samples collected above first-encountered groundwater are sealed in the liners with Teflon tape and polypropylene end-caps, and stored on ice pending selection and transportation to a state-certified laboratory, together with chain-of-custody documentation.

Field characterization of contamination is based on visual and olfactory observations and the results of a headspace analysis, in which a soil sample, after being emptied from the liner, is sealed in a mason jar or plastic sample bag and exposed to direct sunlight for 10 to 15 minutes. The jar is shaken to release volatile hydrocarbons into the headspace between the soil and the jar cover. The headspace is probed by a tube attached to portable photoionization detector (PID), by which volatile hydrocarbon content is measured. At least one sample, typically that having the highest PID reading from a boring, is selected for chemical analysis. If PID readings are consistent with depth throughout a boring, samples from the bottom of the boring or nearest the top of the capillary fringe are selected for analysis.

Under the supervision of a state registered geologist or registered civil engineer with experience in Unified Soil Classification System (UCSC), soil samples are classified and logged according to the Unified Soil Classification System.

Drill cuttings from the borings are contained in DOT-approved 55 gallon drums or stockpiled on site and covered with plastic sheeting until the soil has been characterized. If the client so requests, soil samples are later collected and laboratory analyzed. On the basis of laboratory results, appropriate disposal methods are recommended to the client who is responsible for disposal of the cuttings. Exploratory borings not scheduled for conversion to wells are sealed with bentonite-cement slurry pumped into the boring through a tremie pipe.

Exploratory borings to be converted to verification monitoring wells or extraction wells are drilled no deeper than 10 feet into saturated soil, or until a layer at least 3 feet thick of relatively impermeable clayey material (aquitar) is encountered, whichever comes first. If the aquitar is sufficiently thick, it is backfilled with bentonite through a tremie pipe. Borings are converted to verification monitoring wells with 4 inch diameter, flush-threaded, polyvinyl chloride (PVC) casing with a screened section of machine-perforated, 0.020 or 0.010 inch slots.

Boring depths and screen lengths are determined from geologic profiles of the boring. Screened sections of casing extend through the saturated interval as much as 5 feet above first encountered groundwater. A well is completed by the placement of various materials in the annular space around the casing. The annulus is filled to approximately 2 feet above the screen with a sand pack of a suitable grain size considering the grain size of the soil. The sand pack is covered with a bentonite plug at least 3 feet thick, and the remaining annular space is sealed within 1 foot of the surface with a sanitary seal of bentonite-cement grout. The well heads are protected with traffic-proof vault boxes and locking devices set in concrete. Well locations are surveyed and top-of-casing elevations measured to the nearest 0.01 foot. Detailed well completion diagrams are prepared. If necessary, water well drillers' report containing geological data, well locations and construction details are submitted to the California Department of Water Resources.

APPENDIX F

**GROUNDWATER SAMPLING AND
ANALYSIS PROCEDURES**

GROUNDWATER SAMPLING AND ANALYSIS PROCEDURES

TRG's sampling and analysis procedures for water-quality monitoring are designed to provide consistent and reproducible results and ensure that the objectives of the monitoring program are met.

The following publication was used as guidelines for developing these procedures:

- * RCRA Groundwater Monitoring Technical Enforcement Guidance Document (OSWER 950.1, September 1986)

Sample Collection

Sample collection procedures include equipment cleaning, well purging, and water-level, floating-hydrocarbon thickness, and total well-depth measuring.

Equipment Cleaning

All well sampling equipment is washed both before and after each sampling event with a solution of Alconox and water, rinsed with tap water, and then rinsed again with de-ionized water.

Water-level, Floating Hydrocarbon, and Total Well-Depth Measurements

Water levels, floating-hydrocarbon thickness, and total well depth are measured before wells are purged and sampled. An electric sounder, a bottom-filling, clear Teflon bailer, or an oil-water interface probe are used to make these measurements. The electric sounder is a transistorized instrument with reel-mounted, two-conductor, coaxial cable which connects the control panel to the sensor. The cable is stamped in 1-foot increments. The sensor is lowered into the well and, as it makes contact with the water, which acts as an electrolyte, a low-current circuit is completed.

The current is amplified and fed into an indicator light and an audible buzzer, which produces a signal as the sensor touches the water. A sensitivity control compensates for highly saline or conductive water. The sounder is decontaminated after each use with a three bucket rinse consisting of Alconox and water and two buckets of deionized-water rinse. The clear bailer is lowered to a point just below the liquid level, retrieved, and inspected for floating hydrocarbon. If a clear bailer is to be reused, it is thoroughly cleaned between wells by the above method, or by steam cleaning.

Alternatively, an oil-water interface sonic probe can be used to measure floating-hydrocarbon thickness. The probe emits a continuous tone when immersed in a non conductive fluid, such as oil or gasoline, and an intermittent tone when immersed in a conductive fluid, such as water. Fluid levels are recorded relative to which tone is emitted. The sonic interface probe is decontaminated after each use in the same manner as the electric sounder.

Fluid measurements are recorded to the nearest 0.01 feet in a field log-book and on the well gauging form. The groundwater elevation at the monitoring wells is calculated by subtracting the measured depth to water from the surveyed top-of-casing elevation. When possible, depth to water from the surveyed top-of-casing elevation. When possible, depth to water is measured in all wells on the same day. Water levels are converted to elevations above mean sea level (MSL) and contoured on a groundwater map. Total well depth, recorded to the nearest 0.5 foot, is measured by means of an electric sounder which is lowered to the bottom of a well. Alternatively, the total depth can be measured by lowering a precleaned tape with a

stainless steel plumb bob. This need only be done quarterly and the device must be cleaned by the above method between wells. This measurement is used for calculating purge volumes and determining the degree to which silt may have obstructed the well screen.

Well Purging

Before a monitoring well is sampled, it is purged of standing water in the casing and gravel pack by one of several devices: a bladder pump, a pneumatic displacement pump, a centrifugal pump, a vacuum truck, or a PVC or Teflon bailer. Where bailers are used for purging, the bailers should be precleaned with a triple washing procedures at a minimum.

When bailers are used, a dedicated cloth rope and gloves are to be used for the purge bailer. The rope should not contact the ground during the purging event. An ample number of purge bailers should be used to eliminate reuse of any bailer during that day.

The amount of water purged in most wells will be at least three casing volumes, although some wells are expected to be evacuated due to dryness before this amount has been removed. These low-yield monitoring wells are allowed to recharge until the volume of water is sufficient for sampling, but not longer than 24 hours. If insufficient water has recharged after 24 hours, a monitoring well is recorded as dry for the sampling event.

Field measurements are recorded at no more than 5 gallon intervals on a water sample, field data sheet and kept in a waterproof logbook. Data sheets are reviewed by the sampling coordinator or known to be of low volume, then the field measurements will be recorded at less than 5 gallon intervals. For high yield wells, the parameters can be recorded at larger intervals, but a minimum of four sets of measurements will be recorded for each well.

The pH, specific conductance, and the temperature meter are calibrated daily before field activities are begun and are recorded on a field meter log form. Meter calibration is checked daily during field activities to verify performances.

Well Sampling

A Teflon bailer, bladder pump, or disposable bailer is the only acceptable equipment for well sampling. When samples are collected for volatile organic compound (VOC) analysis with a bladder pump, the pump flow is regulated to approximately 100 milliliters per minute to minimize pump-effluent turbulence and aeration. A separate Teflon sampling bailer can be used for each well if precleaned. In this case, the sampling personnel are to use dedicated rope and gloves for each well. After purging and allowing the well to recovery, the Teflon sampling bailer is lowered into the water and retrieved to be poured out three times before filling the sample containers. This normalizing process is essential to all sampling events. Samples for VOC analysis are preserved in 40 milliliter glass bottles (or larger), which are fitted with Teflon-lined septa. The bottles are filled complete to force out air and to aid in forming a positive meniscus. Bottles are capped with convex Teflon septa to seal out air, and are inverted and tapped to verify that no air bubbles remain. Containers holding samples to be analyzed for other constituents are filled, filtered as required, and capped.

When required, an appropriate field-filtration technique is used to determine dissolved concentrations of metals. When a Teflon bailer is used, the contents are emptied into a pressure transfer vessel. A disposable 0.45-micron acrylic copolymer filter is threaded onto the transfer vessel at the discharge point and the vessel is sealed. The vessel is pressurized with a hand pump and the filtrate directed into appropriate containers. Each filter is used once and discharged.

When a bladder pump is used to collect samples for dissolved constituents, a sample is filtered through a disposable 0.450-micron acrylic copolymer filter attached directly to the pump effluent line with a pressure fitting. As the pump cycles, the effluent is pressured through the filter and directed into an appropriate container. Each filter is used once and discarded.

When a submersible or turbine pump is dedicated to a well, samples are collected either instream or from sampling ports on the system. In this case, a sampling procedure will be developed on a site-specific basis.

Sample Preservation and Handling

Procedures for handling and preserving samples are consistent with the guidelines referenced in the Introduction. Sample containers vary depending on the type of analysis required (e.g., volatile organics, hydrocarbons, or dissolved metals) and are non reactive with a given chemical.

Depending on the analysis to be run and the time between sampling and analysis events, sample containers may need to be pre-acidified with HCl, H₂SO₄, or HNO₃. A discussion with the project manager and laboratory are important prior to well sampling. For example, samples to be analyzed for alkalinity are never acidified and are collected in 500 mL precleaned plastic containers.

Sample Handling

Sample containers are labeled immediately after sample collection, and are kept on cold packs which are replaced daily until the containers are received at the laboratory. As a sample is collected, it is logged on the chain-of-custody record that accompanies samples to the laboratory.

In many cases, preplanning will allow sample container to be pre-labeled with all pertinent information except time of sampling. This, along with filling in the time on the chain-of-custody, need to be done at the time of sampling and the pre-labeling allows more time for measuring and recording the water quality parameters such as pH, temperature and conductivity.

Samples are transferred from the site to the laboratory by the sampling team. Laboratory personnel assign a different number to each sample container and the number is recorded on the chain-of-custody record and used to identify the sample on all subsequent internal chain-of-custody and analytical records. Within 24 hours of sample receipt, samples are routinely transported from TRG to laboratories performing the selected analyses. TRG's laboratory manager ensures that the holding times for requested analyses are not exceeded.

Sample Documentation

The procedures for sample handling provide chain-of-custody control from collection through storage. Sample documentation includes the following:

- * Field logbooks for documenting sampling activities in the field
- * Labels for identifying individual samples
- * Chain-of-custody records for documenting possession and transfer of samples
- * Laboratory analysis requests for documenting analyses to be performed

Field Data Sheets

In the field, the sampler records the following information on the water sample field data sheet for each sample:

- * Project number
- * Client name
- * Location
- * Sampler's name
- * Date and time
- * Well accessibility and integrity
- * Pertinent well data (e.g., casing diameter, depth to water, well depth)
- * Calculated and actual purge volumes
- * Purging equipment
- * Sampling equipment
- * Appearance of each sample (e.g., color, turbidity, sediment)
- * Results of field analyses (temperature, pH, specific conductance)
- * General comments

The field logbooks are signed by the sampler.

Labels

Sample labels contain the following information:

- * Project number
- * Sample number (i.e., well designation)

- * Sampler's initials
- * Date and time of collection
- * Type of preservative used (if any)

Sampling and Analysis Chain-of-Custody Record

The sampling and analysis chain-of-custody record, initiated at the time of sampling, includes the well number, sample type, analytical request, date of sampling, the name of the sampler, and other information deemed pertinent. The sampler signs his name and records the data and time on the record sheet when transferring the samples to another person. Custody transfers are recorded for every sample; for example, if samples are split and sent to more than one laboratory, a record sheet accompanies each sample. The number of custodians in the chain of possession is kept to a minimum. A copy of the sampling and analysis chain-of-custody record is returned to TRG with the analytical results.

Groundwater Sampling and Analysis Request

The Groundwater Sampling and Analysis Request or the purchase order that accompanies samples to the laboratory serves as official communication of the particular analysis(es) required for each sample and is evidence that the chain of custody is complete.

At a minimum, the groundwater sampling and analysis request includes the following:

- * Date submitted
- * Specific analytical parameters
- * Well number
- * Sample source

Analytical Methods

Samples collected as part of the proposed monitoring programs are analyzed by accepted analytical procedures. The following publications are our primary references:

- * Methods for Chemical Analysis of Water and Wastes
(EPA-0600/4-79-020, Revised March 1983)
- * Methods for Organic Chemical Analysis of Municipal and Industrial
Waste water
(EPA-600/4-82-057, July 1982)
- * Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods
(EPA SW-846, 3rd Edition, November 1986)
- * Leaking Underground Fuel Tank (LUFT) Manual, State Water Resources
Control Board, State of California Leaking Underground Fuel Tank Task
Force, May 1988.

The laboratories performing the analyses are certified by the California Department of Health Services (DHS) for hazardous waste testing.

Quality Control

Quality assurance measures confirm the integrity of field and laboratory data generated during the monitoring program. Procedures for assessing data quality are discussed in this section. Field and laboratory quality assurance data are evaluated in the technical reports.

Field Quality Assurance

Field quality assurance for each monitoring event includes the documentation of field instruments calibration and collection and analysis of trip blanks, field blanks, and duplicate samples. Split samples may also be included in the monitoring program.

Trip, Field and Equipment Blanks

Trip, field and equipment blanks are used to detect contamination introduced through sampling or cleaning procedures, external field conditions, sample transportation, container preparation, sample storage, and the analytical process.

Trip blanks are prepared at the same time and location as the sample containers for a given sampling event. Trip blanks accompany the containers to and from that event, but are never opened or exposed to the air. One trip blank for volatile organic parameters is typically included for each sampling event.

Field blanks are prepared in the same manner as trip blanks, but are exposed to the ambient atmosphere at a specific monitoring point during sample collection for the purpose of determining the influence of external field conditions on sample integrity. One field blank for volatile organic parameters is typically included for each day of sampling.

An equipment blank for dedicated bailers is used to check the cleaning process and eliminate a potential variable of contamination. In the case of a dishwasher load of clean bailers to be used at a particular site on a particular day, an equipment blank is prepared by choosing a

Teflon sampling bailer out of the dishwasher as representative of the set of bailers washed. This randomly chosen bailer is assembled with latex gloves and filled with deionized water which is poured out three times, after which an equipment blank for volatile organic parameters is prepared by filling two 40-mL VOA vials with deionized water from the chosen bailer.

The equipment blank is carried in the cooler to the field and run along with the field blank. The trip blank can be held at the lab and only run if compounds are detected in the equipment blank. Otherwise, the equipment blank can also serve as the trip blank.

Duplicate Samples

Duplicate samples are collected so that field precision can be documented. For each sampling event, a specified percentage (typically 5 percent) of monitoring well samples is collected in duplicate. Where possible, field duplicates are collected at sampling points known or suspected to contain constituents of interest. Duplicates are packed and shipped blind to the laboratory to be analyzed with the samples from that particular event (i.e., duplicates have no special markings indicating that they are quality control samples).

Laboratory Quality Assurance

Laboratory quality assurance includes procedures required under the DHS Hazardous Waste Testing Program. Quality assurance procedures in the Precision Environmental QA manual include the reporting of surrogate recoveries, matrix spike recoveries, and matrix spike duplicates (or duplicate) results.

Method blanks are analyzed daily for the purpose of assessing the effect of the laboratory environment on analytical results, and are performed for each constituent analyzed.

Samples to be analyzed for organic constituents contain surrogate spike compounds. Surrogate recoveries are used to determine whether analytical instruments are operating within limits. Surrogate recoveries are compared with control limits established and updated by the laboratory on the basis of its historical operation.

Matrix spikes are analyzed at a frequency of approximately 10 percent. Matrix spike results are evaluated to determine whether the sample matrix is interfering with the laboratory analysis, and provide a measure of the accuracy of the analytical data. Matrix spike recoveries are compared with control limits established and updated by the laboratory on the basis of its historical operation.

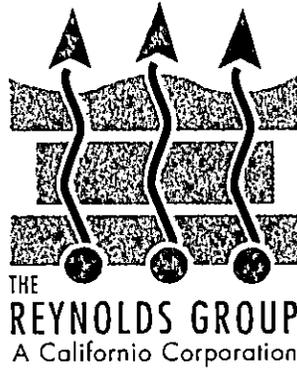
Laboratory duplicates are analyzed at a frequency of approximately 10 percent. Spike duplicate results are evaluated to determine the reproducibility (precision) of the analytical method. Reproducibility values are compared with control limits established and updated by the laboratory on the basis of its historical operation.

Laboratory QC data included with the analytical results are method blanks, surrogate spike recoveries (for organic parameters only), matrix spike recoveries, and matrix spike duplicates.

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ENVIRONMENTAL HEALTH

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STAFF INFORMATION

**UNDERGROUND STORAGE TANK
CLOSURE REPORT**

**REPORT ON INTERIM SOURCE REMOVAL ACTION
REPORT ON GROUNDWATER WELL INSTALLATION**

**CAPISTRANO UNIFIED SCHOOL DISTRICT
TRANSPORTATION AND MAINTENANCE YARD
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA**

SEPTEMBER 14, 1998

PREPARED FOR:

**Orange County Healthcare Agency
2009 East Edinger Avenue
Santa Ana, CA 92705**

TRG No. 5075-Victoria

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ENVIRONMENTAL HEALTH

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**UNDERGROUND STORAGE TANK
CLOSURE REPORT**

**CAPISTRANO UNIFIED SCHOOL DISTRICT
TRANSPORTATION AND MAINTENANCE YARD
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA**

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- FIGURE 2 Plot Plan with Sample Locations
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- APPENDIX A Tank Removal Permits
- APPENDIX B Laboratory Reports and Chain-of-Custody Documentation
- APPENDIX C Rinsate Fluid Manifest and Tank Destruction Certificate
- APPENDIX D Groundwater Monitoring Well Installation Permits
- APPENDIX E Copies of Correspondence with Agency
- APPENDIX F Copies of Soil Disposal Manifests

**UNDERGROUND STORAGE TANK
CLOSURE REPORT**

**REPORT ON INTERIM SOURCE REMOVAL ACTION
REPORT ON GROUNDWATER WELL INSTALLATION**

**CAPISTRANO UNIFIED SCHOOL DISTRICT
TRANSPORTATION AND MAINTENANCE YARD
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA**

EXECUTIVE SUMMARY

This report summarizes the removal of two steel underground storage tanks (USTs), subsequent soils excavation and groundwater monitoring well installation at Capistrano Unified School District's Transportation and Maintenance Yard, 26126 Victoria Boulevard, City of Capistrano Beach, State of California (the Site, Figure 1).

On July 2, 1998, one 10,000 gallon gasoline UST and one 5,000 gallon diesel UST were removed from the Site. These three USTs were the last remaining old USTs on the premises. A total of seven soil samples were collected from beneath the former USTs, the former dispensers, and the soils stockpiles as required by the Orange County Healthcare Agency (OCHCA). All seven samples were "non-detect" for all analytes tested. Based on the field work performed and the laboratory results, we recommend full and unconditional closure with respect to the two underground storage tanks.

The OCHCA has expressed concern for a number of years about residual petroleum-impacted soils and groundwater at the site. As a result, during the construction work that was being performed to upgrade the underground storage tank system at the site, excavation of a "contaminated core" of soil was performed. Oxygen releasing compounds were added to the backfill at the bottom of the excavation. In addition, a new groundwater well was installed. Before presenting an plan for further work, we recommend evaluating the concentrations of petroleum hydrocarbons in the new

groundwater well. If they decline over time it is our hope that the OCHCA will be in a position of granting full closure of the site without significant further work.

1.0 INTRODUCTION

1.1 Involved Parties

The Capistrano Unified School District (the Client) retained JEM Degassing (JEM, the contractor) to remove one 10,000 gallon gasoline tank and one 5,000 gallon diesel tank at the site. Required permits were obtained by JEM prior to performing the work.

Regulatory oversight was provided by the OCHCA as represented by Mr. James Strozier. Excavation, tank degassing, crane service and tank disposal was performed by JEM. Able Environmental provided tank rinsing and liquids disposal services under contract to JEM. JEM also measured lower explosive limits and oxygen levels.

The Reynolds Group provided engineering consulting services during the project, collected soil samples under the direction of the OCHCA, oversaw the excavation and prepared this report. Chemical and Environmental Laboratories (C&E) provided laboratory analyses.

2.0 GENERAL SITE CHARACTERISTICS

2.1 Site Description

The Site is currently occupied by the transportation and maintenance yard of the Capistrano Unified School District. The yard is used to store, maintain and repair school buses for the District. The former USTs were located near the tire storage building (see Figure 2). The USTs were used to fuel school buses.

2.2 Site Lithology

Soil encountered during the excavation consisted of dark brown clay and sandy silt. During the tank removal and excavation, groundwater was not encountered.

3.0 **UST REMOVAL**

3.1 Field Activities and Observations

Prior to performing the work, JEM obtained tank closure permits from the OCHCA. Copies of the permits are attached in Appendix A.

Excavation activities began at approximately 7:00 a.m. on June 29, 1998. Cleaning of the USTs commenced at approximately 7:00 a.m. on Thursday, July 2nd. The insides of both tanks were spray washed and the gasoline tank was degassed as required by the South Coast Air Quality Management District's Rule 1149. Rinsate liquids and solids were removed and properly disposed at Crosby and Overton, a certified transfer, storage and disposal (TSD) facility in Long Beach, California. A copy of the waste disposal manifest is included in Appendix C.

Dry ice was dropped into the tanks prior to removal from the excavation. The tanks were pulled from the excavation at approximately 11:00 a.m. on July 2nd using a crane. The tanks were hauled to Adams Steel in Anaheim, California, and destroyed for scrap metal. The tank destruction certificate is contained in Appendix C. The tanks showed no signs of corrosion or deterioration.

3.2 Soil Sampling Procedures and Rationale

After the USTs were removed, a representative from The Reynolds Group working under the direction of a Registered Civil Engineer, collected a total of seven soil samples in locations designated by the OCHCA as follows: one sample from each end of the former 10,000 gallon

gasoline UST (samples GS-1 and GN-2), two samples from beneath the former 5,000 gallon diesel UST (samples DS-1 and DS-2), one sample from the west wall of the diesel tank excavation (sample DW-1) and one sample from each of the associated stockpiles (samples SP-G and SP-D). See Figure 2 for sample locations.

Prior to sample collection, overburden soil in the sampling area was removed to reach undisturbed soil. The samples were collected into clean, stainless steel, sampling tubes. Soil was collected into the tubes by forcing the tubes into undisturbed soil. The sample tubes were overfilled to minimize head space losses. The ends of the sample tubes were lined with Teflon and capped with polyethylene caps. The soil samples were retained on ice and transported with chain-of-custody documentation to Chemical & Environmental Laboratories of Santa Fe Springs, California.

3.3 Laboratory Analyses and Results

The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline and diesel by EPA Method 8015, and for benzene, toluene, ethylbenzenes and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020. The analytes tested were those requested by the OCHCA.

All seven samples were "non-detect" for all analytes tested. Laboratory results are included in Appendix B.

4.0 **INTERIM SOURCE REMOVAL ACTION**

The Reynolds Group prepared an Interim Source Removal Plan dated July 7, 1998 that was approved by the OCHCA in a letter dated July 14. Copies of these correspondences are included in the Appendix to this report. The work was implemented on July 20, 1998 and JEM, as contractor, advanced the excavation as shown in Figure 3 -- Plot Plan with "Interim Source Removal" Diagram and Groundwater Monitoring Well Location. A total of 281.07 tons of gasoline-

impacted soils were removed from the site and disposed at CDE Glen Helen Soil Recycling Facility in Devore, California. Copies of the manifests are included in the Appendix to this report.

Soil samples were taken during the excavation work. Soil sampling procedures followed the same protocols as indicated in sections 3.2 and 3.3 above. The samples labeled S1-5, S2-10, S3-15, S4-15, S5-20, S6-23, S7-25, S8-29 were all taken within the excavation of the zone of contamination. The results are tabulated in Figure 3 and showed elevated gasoline and diesel to a depth of 25 feet below ground surface. At 29 feet below ground surface, the vertical limit of the excavation, the concentrations of gasoline were markedly lower. It appears that the contaminant core existed in the layers from 15 to 25 feet below ground surface layers. Confirmation soil samples (SW-10, SW-20, EW-10, and EW-20) taken on the side walls of the excavation confirmed the results of borings performed by others several years ago. The results, except for benzene and ethylbenzene which were very low, were all "non-detect."

The soils at the 29 feet deep bottom of the excavation were moist and the excavation did begin to fill slowly with seeping water. During the initial backfilling, approximately 600 pounds of Oxygen Releasing Compound was mixed into the soils placed back into the excavation as additional assurance that residual gasoline concentrations could be diminished.

5.0 GROUND WATER WELL INSTALLATION

In order to close out JEM's contracting portion of the project, the portion for which JEM was being compensated under contract to the School District, The Reynolds Group managed re-installation of the groundwater well. Permits were obtained and the groundwater well was set on September 3, 1998. J&H Drilling installed the well as a subcontractor to JEM. A copy of the permit application and soil sample results are included in the Appendices.

The well was installed outside of, and presumedly downgradient from the excavation area as shown in the attached Figure. The well was actually advanced to 50 feet below ground surface rather than

40 feet because of the dry soil conditions encountered during the work. The top of the screen was set at 15 feet below ground surface. Soil samples were taken during the well installation and were labeled WI-5 through WI-50. Laboratory analyses of the soil samples revealed elevated concentrations of BTEX at 20 and 25 feet below ground surface.

WELL INSTALLATION LABORATORY RESULTS

September 10, 1998

(micrograms per kilogram or parts per million)

Sample I.D.	TPH as Gas	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
WI-5	ND	ND	ND	ND	ND	ND
WI-10	ND	ND	ND	ND	ND	ND
WI-15	ND	ND	ND	ND	ND	ND
WI-20	48	1.128	2.144	0.592	2.211	ND
WI-25	21	4.826	6.549	0.713	2.832	ND
WI-30	ND	0.179	0.049	ND	ND	ND
WI-35	ND	0.191	0.125	0.021	0.184	ND
WI-40	ND	0.070	0.160	0.029	0.096	ND
WI-45	ND	ND	ND	ND	ND	ND
WI-50	ND	ND	ND	ND	ND	ND
Detection Limit	10	0.005	0.005	0.005	0.015	0.1

ND = Non-Detect

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are based on the results of the field work conducted at the Site and subsequent laboratory analyses:

- One 10,000 gallon steel gasoline UST and one 5,000 gallon steel diesel UST were removed from the site.
- All soil samples from beneath the two USTs were "non-detect" for all analytes tested.
- Based on the field work performed and the laboratory results, we recommend full and unconditional closure with respect to the two underground storage tanks.
- There is still an open file on this case at the OCHCA due to the presence of petroleum hydrocarbon in the subsurface. Specific actions were implemented to address this issue.
- During the construction work to upgrade the underground storage tank system at the site, excavation of a "contaminated core" of soil was performed where previous assessment data indicated the worst gasoline impacted soils existed.
- A new groundwater well was installed in the presumed downgradient direction from the excavation. Soil sample laboratory results indicated elevated concentrations of BTEX at 20 and 25 feet below ground surface.
- Before presenting a plan for further work, we recommend evaluating the concentrations of petroleum hydrocarbons in the new groundwater well. If they decline over time it is our hope that the OCHCA will be in a position of granting full closure of the site without significant further work given that the sources of contamination to the soils have been removed.

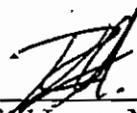
7.0 LIMITATIONS

This report is based on the information gathered during the course of the work as described in the text and references. Its validity is based on the available facts, circumstances, and data as of the date of the report and TRG takes no responsibility for any subsequent changes in those facts, circumstances, and data.

This report is rendered as of the date hereof and is intended solely for the benefit and use of the client.



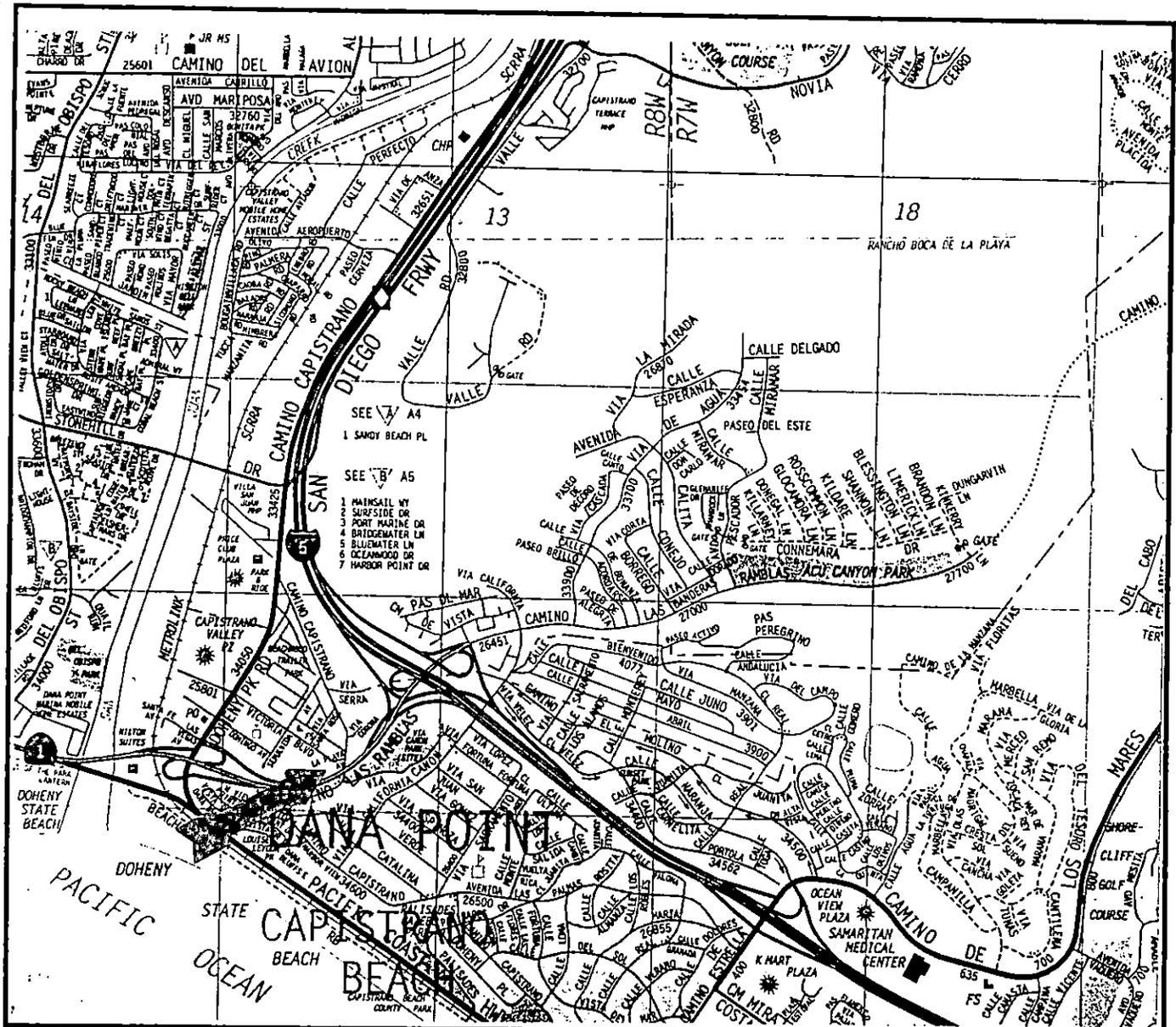
F. Edward Reynolds, Jr.
California Registered Civil Engineer
#38677



Rafael Lopez Macedo
Project Manager



FIGURE 1
SITE LOCATION MAP



ADAPTED FROM 1997 ORANGE COUNTY THOMAS BROTHERS GUIDE PAGE 972.

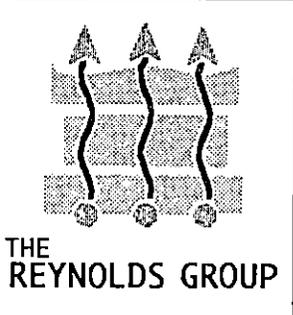
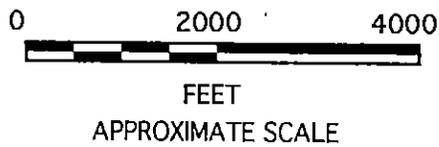
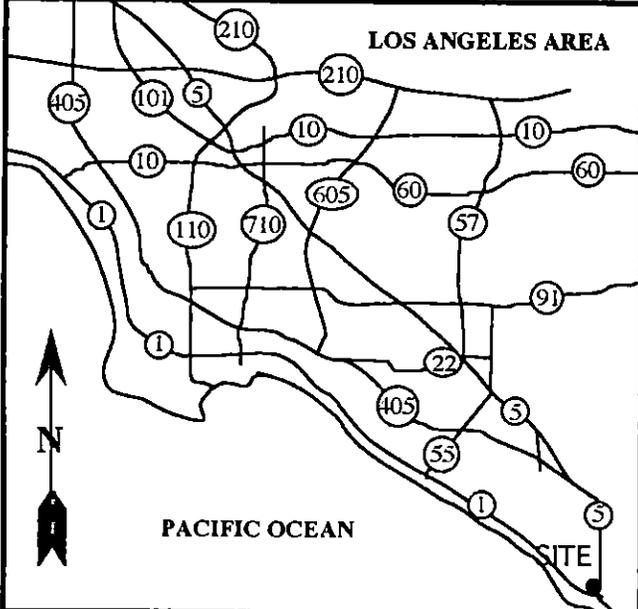


FIGURE 1
SITE LOCATION MAP
 CAPISTRANO U.S.D.
 TRANSPORT. & MAINTENANCE
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH,
 CALIFORNIA
 JULY 1998

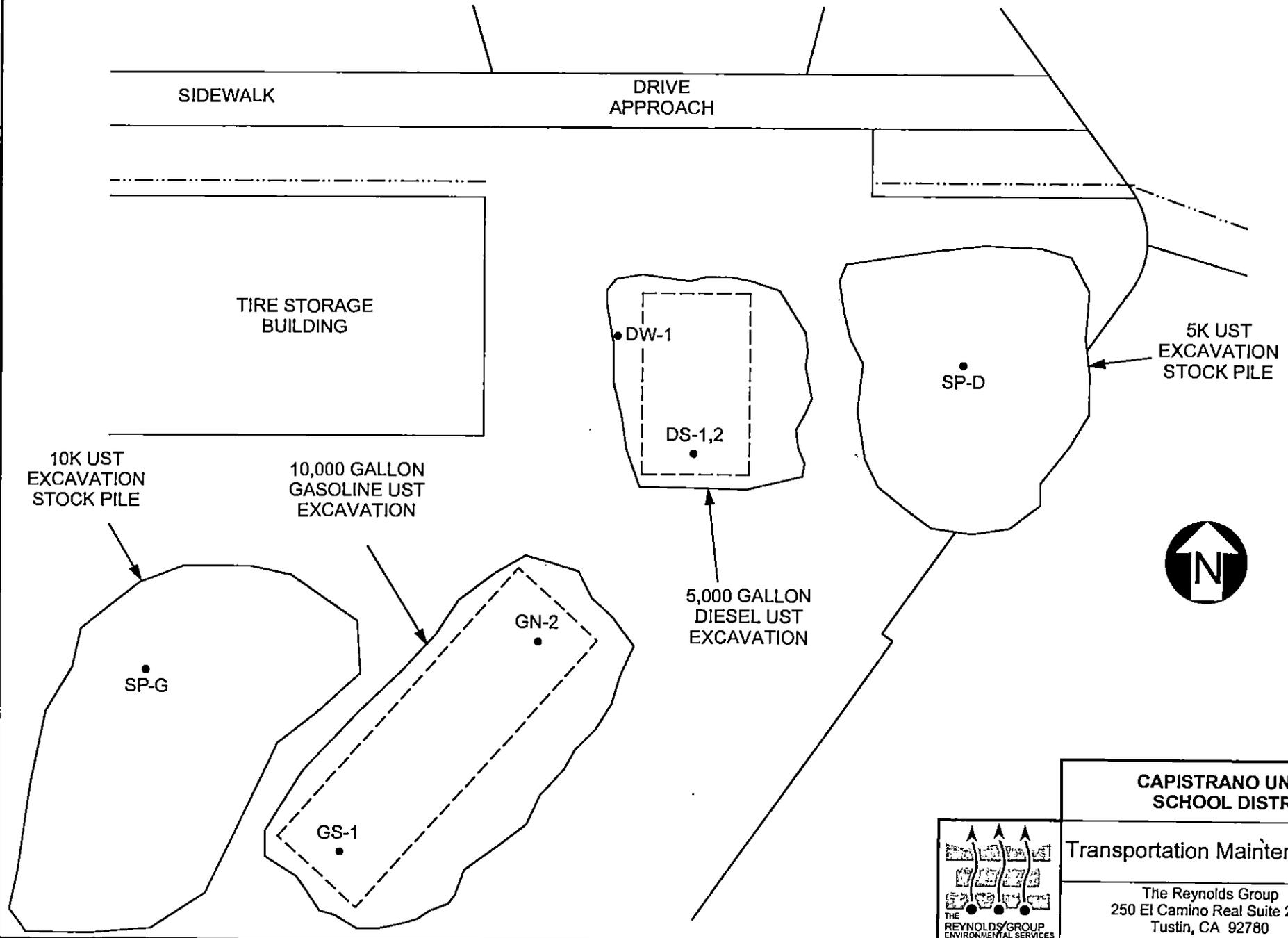


FIGURE 2

**PLOT PLAN WITH
SAMPLE LOCATIONS**

Transportation Maintenance Yard General Layout

SCALE 1" = 15'



CAPISTRANO UNIFIED
SCHOOL DISTRICT

Transportation Maintenance Yard

The Reynolds Group
250 El Camino Real Suite 204
Tustin, CA 92780

FIGURE

2

July, 1998

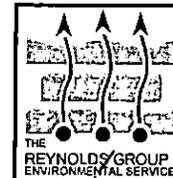


FIGURE 3

**PLOT PLAN WITH
INTERIM SOURCE REMOVAL DIAGRAM
AND GROUNDWATER MONITORING WELL LOCATION**

DRIVEWAY

SIDEWALK

6' HIGH CHAIN LINK FENCE

TIRE STORAGE BUILDING

DRIVE APPROACH

FUEL ISLANDS

TLS-350 CONSOLE
EMERGENCY SHUT-OFF

B-5

B-3

B-2

CONCRETE

CONCRETE

MW1 (NEW)

B-4

AREA OF EXCAVATION
(29 FEET DEEP)

ASPHALT PAVING

Sample #	Sample ID	TPH-G	B	T	E	X	MTBE
1(R)	S1-5'	ND	ND	ND	ND	ND	ND
2(R)	S2-10'	2799	6.775	0.230	201.167	517.618	ND
3(R)	S3-15'	ND	ND	ND	ND	ND	ND
4(R)	S4-15'	3034	100.355	325.589	161.440	529.359	ND
5(R)	S5-20'	608	13.333	18.445	24.044	60.997	ND
6(R)	S6-23'	189	0.964	4.037	8.826	19.768	ND
7(R)	S7-25'	24	2.744	6.173	1.276	5.129	ND
8(R)	S8-29'	12	0.106	0.196	0.627	0.444	ND
9	SW-10'	ND	ND	ND	ND	ND	ND
10	SW-20'	ND	0.121	ND	0.160	ND	ND
11	EW-10'	ND	ND	ND	ND	ND	ND
12	EW-20'	ND	0.014	ND	0.026	ND	ND

(R) SOIL REMOVED DURING EXCAVATION

◆ B-3 LOCATION OF BORINGS PERFORMED IN 1992

PLOT PLAN WITH "INTERIM SOURCE REMOVAL" DIAGRAM AND GROUND WATER MONITORING WELL LOCATION



CAPISTRANO UNIFIED SCHOOL DISTRICT

VICTORIA BLVD
CAPISTRANO BEACH

SEPTEMBER, 1998.

FIGURE

3

SCALE 1" = 10'

PROJECT NUMBER
5075 - CAPO

APPENDIX A

TANK REMOVAL PERMITS

JIM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

COUNTY OF

DIG ALERT
TICKET #
150324

RANGE

Plan Check #224

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 657-3700

FACILITY MODIFICATION
APPLICATION
(INSTALLATION/REMOVAL/REPAIR)
(COMPLETE PAGES 1 & 2)

DATE: 6/25/98

FACILITY INFORMATION

NAME: Capistrano USD Transportation YARD
STREET ADDRESS: 26126 Victoria Blvd
CITY: Capistrano Beach CA
TOTAL NUMBER OF TANKS (AFTER INSTALLATION/REMOVAL)
AT THIS LOCATION: TWO

TYPE OF BUSINESS:

- GASOLINE STATION
- GOVERNMENT
- FARM
- OTHER

TANK OWNER NAME (CORP., INDIVIDUAL, PUBLIC AGENCY):
City of San Juan Capistrano
STREET ADDRESS: 37972 Calle Perfecto
CITY: San Juan Capistrano
STATE: CA ZIP: _____

TELEPHONE NO.: (949) 489-7286

BILLING ADDRESS INFORMATION

BILL TO NAME: JEM DEGASSING
BILL TO ADDRESS: 24122 ANGELA STREET
CITY: LAKE FOREST
STATE: CA ZIP: 92630
TELEPHONE NO.: (949) 551-8114

TYPE OF CONSTRUCTION

INDICATE NO. OF TANK(S) BEING
REMOVED/REPAIRED/INSTALLED BELOW: (COMPLETE
PAGE 2 - INDICATING THE TANKS TO BE
INSTALLED/REMOVED, OR AFFECTED BY THE REPAIR)

- INSTALLATION(S)
- REPAIR(S)/RELINE(S) TO USTs
- CLOSURE(S)/REMOVAL(S)
- SYSTEM MODIFICATION (E.G. REPIPE, REPAIR TO PIPING)
- OTHER (SPECIFY) _____

24 HOUR EMERGENCY CONTACT PERSON

DAYS: MARK STROCKIS (949) 551-8114
NAME TELEPHONE
NIGHTS: MARK STROCKIS (714) 842-4007
NAME TELEPHONE

APPLICANT

NAME: MARK STROCKIS
PLEASE PRINT
SIGNATURE: [Signature]
COMPANY NAME: JEM DEGASSING
TELEPHONE NO.: (949) 551-8114

FACILITY OPERATOR (CONTACT PERSON)

NAME: MARK BAUER
BUSINESS TELEPHONE NO.: (949) 489-7369

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE
SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY
CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF
SUBMITTAL

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR, IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE
YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED.

OFFICE USE ONLY

APPROVAL CHECK NO.: _____ FEES PAID: _____ RCVD. BY: _____
APPROVAL DATE: _____ BY: _____
NUMBER OF TANKS TO RECEIVE A SURCHARGE BILL: _____ NUMBER OF TANKS TO BE ADDED TO BILLING: _____

APPROVED

Legal Policy

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
THIS APPROVAL IS VALID FOR 12 MONTHS FROM
THE APPROVAL DATE

*All piping associated with underground
storage tanks shall be removed
and properly disposed of.*

Plan Reviewed By *[Signature]* Date *6/29/98* Plan # *9802229*

REMOVE GENERAL LAYOUT

SCALE 1" = 40'

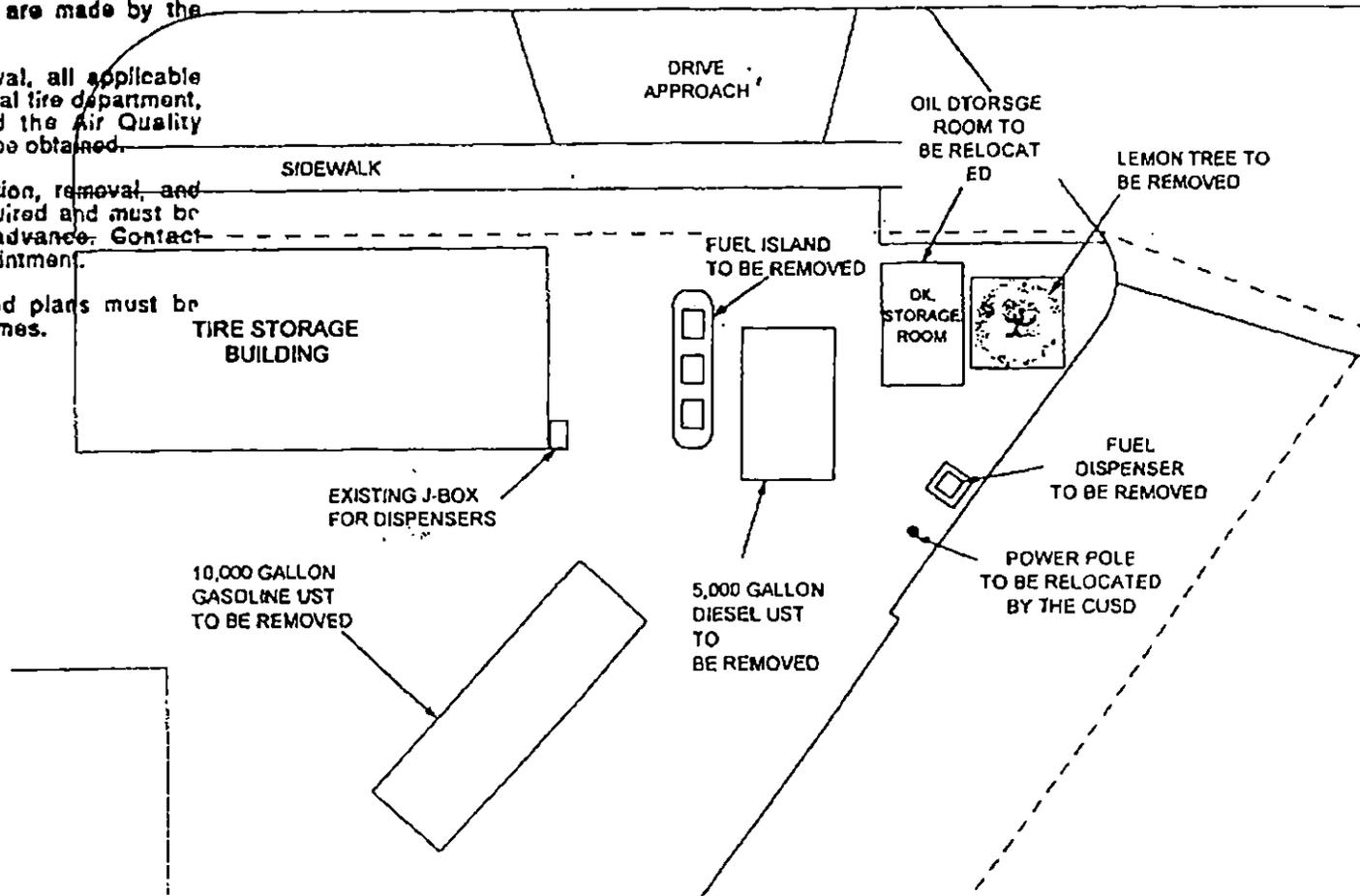
This approval shall not be construed to permit the violation of any law, nor does it prevent further corrections of errors found on the plans. Plans must be resubmitted for approval if any additional changes are made by the applicant.

In addition to this approval, all applicable permits required by the local fire department, building department, and the Air Quality Management District must be obtained.

Underground tank installation, removal, and repair inspections are required and must be scheduled 48 hours in advance. Contact (714) 667-3700 for an appointment.

A copy of these approved plans must be available at the site at all times.

*USDA TRANSFORMATION YARD
10000 VIA BLVD
IRVINE CA 92618*





**ORANGE COUNTY FIRE
AUTHORITY
SPECIAL ACTIVITY PERMIT**

SPECIAL ACTIVITY # **000783**

INSPECTOR'S ID#
DISTRICT #
PAGE # OF

Shaded areas for OCFA use only

DATE

SITE INFORMATION (Where the event is taking place)

DOING BUSINESS AS CAPSTRANO WSD TRANSDATA PHONE (714) 459-7369

OWNER/AGENT CAPSTRANO WSD (MARK BAKER) TITLE CO. ST. MGR

ADDRESS 26126 Victoria Blvd

BLDG/SUITE _____ CITY CAPSTRANO BEACH ZIP _____

APPLICANT INFORMATION (Who is responsible for the permit)

OWNER/AGENT JOE HILL PHONE (714) 551-8114

ADDRESS 24122 ANGELA

CITY LAKE FOREST ZIP 92630 COMPANY JEM DEGRASSI

APPLICABLE PERMIT(S) SEPARATE APPLICATION REQUIRED FOR EACH BUILDING/BUSINESS LOCATION OR PERMIT TYPE

PERMIT # _____ PERMIT DESCRIPTION _____ COST OF PERMIT NA

THIS PERMIT IS VALID BEGINNING _____ AND EXPIRES ON _____

CONDITIONS/LIMITATIONS OF PERMIT: (Attach additional sheet(s) if necessary)

<p>STATEMENT: I hereby acknowledge that I have read this application, that the information given is correct, and that I am the Owner or the duly authorized agent of the owner. All permits or certificates issued shall be presumed to contain the provision that the applicant his agent and employees shall carry out the proposed activity in compliance with all laws and regulations applicable thereto, whether specified or not, and in complete accordance with approved plans and specifications. Any permit or certificate which purports to sanction a violation of any applicable law or regulation shall be void, and any approval of plans and specifications in the issuance of such permit shall likewise be void.</p>	<p>AN INSPECTION WAS CONDUCTED AND THIS OCCUPANCY HAS BEEN FOUND TO BE IN COMPLIANCE WITH PROVISIONS OF THE UNIFORM FIRE CODE AND OTHER RELATED CODES AND ORDINANCES.</p> <p>INSPECTION INCLUDED A REVIEW AND APPROVAL OF ALL RECEIPTABLES, VEHICLES, BUILDINGS, DEVICES, PREMISES, STORAGE SPACE, AND AREAS TO BE USED.</p>
<p>Signature (Owner or Agent): _____ Date Signed <u>4/29/98</u></p>	<p>Inspected By: _____ Date Approved: _____</p>

CHECK # _____ CHECK AMOUNT _____ PAID BY _____ DATE _____

Drivers License No. _____ Other Permits _____

Received By _____ Employee Name & ID: _____

SHADED AREAS TO BE COMPLETED BY OCFA PERSONNEL

FORM ROUTING: White - Permit; Canary - Inspection Support; Pink - Accounts Receivable; Gold - Customer Receipt

APPENDIX B

**LABORATORY REPORT &
CHAIN OF CUSTODY DOCUMENTATION**

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

July 8, 1998

Certificate No.: 2268

Mr. Ed Reynolds
The Reynolds Group
250 El Camino Real, Ste. 204
Tustin, CA 92680

Project: 26126 Victoria Bl.

Dear Mr. Reynolds:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely,



Larry Zhang, Ph.D.
Laboratory Director

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

QA/QC REPORT

--- M8015(G,D)/M8020 ---

I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)

Date Performed: 07/02/98

Batch #: 3160

Lab Sample I.D.: 80702B

Unit: mg/kg

ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	0.0200	0.0169	85	0.0186	93	9.6	80-120	20
Toluene	0.0200	0.0173	87	0.0191	96	9.9	80-120	20
Ethylbenzene	0.0200	0.0179	90	0.0185	93	3.3	80-120	20
Xylenes	0.0200	0.0172	86	0.0190	95	9.9	80-120	20
Gasoline	1	0.83	83	0.98	98	16.1	70-120	20
Diesel	500	432	86	420	84	2.8	70-120	20

II. Laboratory Quality Control Check Sample

ANALYTE	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	0.0200	0.0197	99	80-120
Toluene	0.0200	0.0190	95	80-120
Ethylbenzene	0.0200	0.0198	99	80-120
Xylenes	0.0200	0.0191	96	80-120
Gasoline	1	1.09	109	80-120
Diesel	500	465	93	80-120

CHAIN OF CUSTODY
 Orange County Health Care Agency
 Environmental Health Division
 2009 E. Edinger Ave., Santa Ana, CA 92705
 Telephone: (714) 667-3700

80702 B

- ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.
- PLEASE WRITE LEGIBLY.
- ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: Chemical & Env. Lab.
 DATE RECEIVED: 7-2-98
 SAMPLE(S) CONDITION (PLEASE CHECK):
 CHILLED: COUNTY SEAL(S) INTACT: YH
 CONTAINER IN GOOD CONDITION:
 DATE ANALYSIS COMPLETED: 7-2-98
 ANALYST: Jane Sue

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Cap U.S.D.
26126 Victoria Blvd.
 DATE OF COLLECTION: 7/2/98
 SAMPLE COLLECTOR/COMPANY: Retail Lopez
The Reynolds Group
 TELEPHONE NO.: 730-5397
 HCA REPRESENTATIVE: J. Storz

667-3711

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
1 GSI	TPH, 8020 (MTBE)	DTSC - TPH method for Gasoline & Diesel & GPA method 8020 for BTXE & MTBE. Identify top ten peaks on 8020	
2 GN2			
3 DSI			
4 PS2			
5 DW1			
6 SPG			
7 SPD			

7.

CHAIN OF CUSTODY		
1. <u>[Signature]</u> SIGNATURE	<u>[Signature]</u> COMPANY/AGENCY	<u>7/2/98</u> INCLUSIVE DATES/TIMES
2. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98</u> INCLUSIVE DATES/TIMES
3. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98 14:00hrs</u> INCLUSIVE DATES/TIMES
4. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98 14:00hrs</u> INCLUSIVE DATES/TIMES
5. <u>[Signature]</u> SIGNATURE	<u>C & E Lab.</u> COMPANY/AGENCY	<u>7-2-98 14:00/</u> INCLUSIVE DATES/TIMES
6. _____ SIGNATURE	_____ COMPANY/AGENCY	_____ INCLUSIVE DATES/TIMES

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

July 30, 1998

Certificate No.: 2268

Mr. Ed Reynolds
The Reynolds Group
250 El Camino Real, Ste. 204
Tustin, CA 92680

Project: 5075 CAPO

Dear Mr. Reynolds:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely,



Larry Zhang, Ph.D.
Laboratory Director

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

QA/QC REPORT

--- M8015(G,D)/M8020 ---

I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)

Date Performed: 07/21,22/98

Batch #: 3208

Lab Sample I.D.: 80720A

Unit: mg/kg

ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	0.0200	0.0182	91	0.0162	81	11.6	80-120	20
Toluene	0.0200	0.0176	88	0.0165	83	6.5	80-120	20
Ethylbenzene	0.0200	0.0189	95	0.0161	81	16.0	80-120	20
Xylenes	0.0200	0.0187	94	0.0166	83	11.9	80-120	20
Gasoline	1	0.93	93	0.87	87	6.3	70-120	20
Diesel	500	470	94	496	99	5.4	70-120	20

II. Laboratory Quality Control Check Sample

ANALYTE	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	0.0200	0.0170	85	80-120
Toluene	0.0200	0.0167	84	80-120
Ethylbenzene	0.0200	0.0179	90	80-120
Xylenes	0.0200	0.0171	86	80-120
Gasoline	1	0.83	83	80-120
Diesel	500	454	91	80-120

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

September 18, 1998

Certificate No.: 2268

Mr. Ed Reynolds
The Reynolds Group
250 El Camino Real, Ste. 204
Tustin, CA 92680

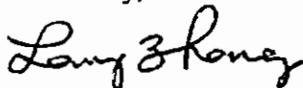
Project: Victoria Transportation Yard

Dear Mr. Reynolds:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely,



Larry Zhang, Ph.D.
Laboratory Director

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

QA/QC REPORT

--- M8015(G)/M8020 ---

I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)

Date Performed: 09/10/98

Batch #: 3378

Lab Sample I.D.: 80909D

Unit: mg/kg

ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	0.0200	0.0195	98	0.0202	101	3.5	80-120	20
Toluene	0.0200	0.0199	100	0.0203	102	2.0	80-120	20
Ethylbenzene	0.0200	0.0196	98	0.0210	105	6.9	80-120	20
Xylenes	0.0200	0.0192	96	0.0209	105	8.5	80-120	20
Gasoline	1	0.88	88	0.85	85	4.5	70-120	20

II. Laboratory Quality Control Check Sample

ANALYTE	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	0.0200	0.0176	88	80-120
Toluene	0.0200	0.0182	91	80-120
Ethylbenzene	0.0200	0.0197	99	80-120
Xylenes	0.0200	0.0204	102	80-120
Gasoline	1	0.83	83	80-120

APPENDIX C

**RINSATE FLUID MANIFEST AND
TANK DESTRUCTION CERTIFICATE**

Make sure you use the correct type. Form designed for use on elite (12 pitch) typewriter

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL1010102316191811610210
Manifest Document No. 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CARISTIANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CARISTIANO BEACH, CA
4. Generator's Phone (714) 851-8114

5. State
CA
6. Facility Name
7. Facility Address
8. Facility City
9. Facility State
10. Facility ZIP

5. Transporter 1 Company Name ABLE Environmental
6. US EPA ID Number CAR1010101031123

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CRUSBY AND OVERTON
1630 W. 177th ST.
LONG BEACH, CA 90813
10. US EPA ID Number CA1010101090119

11. State
12. Facility Name
13. Facility Address
14. Facility City
15. Facility State
16. Facility ZIP

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)
R.Q. Waste (UNCLASSIFIED LIQUID), N.O.S.
(GASOLINE AND WATER) 3, UN 1993 II (COOL)

12. Containers	13. Total Quantity	14. Unit Wt/Vol
001	TIT 00750	G

17. Additional Descriptions for Materials Used Above
18. Hazard Codes for Wastes Listed Above

19. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE CLOTHING

20. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name: Michael of SSCUSD, Scott G. H. A
Signature: [Signature]
Month: 07, Day: 02, Year: 98

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Month: 07, Day: 02, Year: 98

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Month: , Day: , Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [Name]
Signature: [Signature]
Month: , Day: , Year:

DO NOT WRITE BELOW THIS LINE.

98116020
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

FACILITY

17-02-1998 2:43PM

FROM ADAMS STEEL 7146305836

P. 1

CERTIFICATE OF DESTRUCTION

COMPANY NAME Capistrano Unified School District

ADDRESS 2626 Victoria Blvd Capistrano Beach

ADAMS STEEL CERTIFIES THAT 110K^{poolline} and 115K diesel tanks

HAS/HAVE BEEN SCRAPPED, CRUSHED AND TOTALLY DESTROYED ON: 11/2/98

SIGNATURE Cheryl Hartman

TITLE weighmaster

DATE 11/2/98

Adams Steel
3200 E. Frontera Street
Anaheim, California 92806
(714) 630-6523
FAX (714) 630-5836

APPENDIX D

**GROUNDWATER MONITORING WELL
INSTALLATION PERMITS**

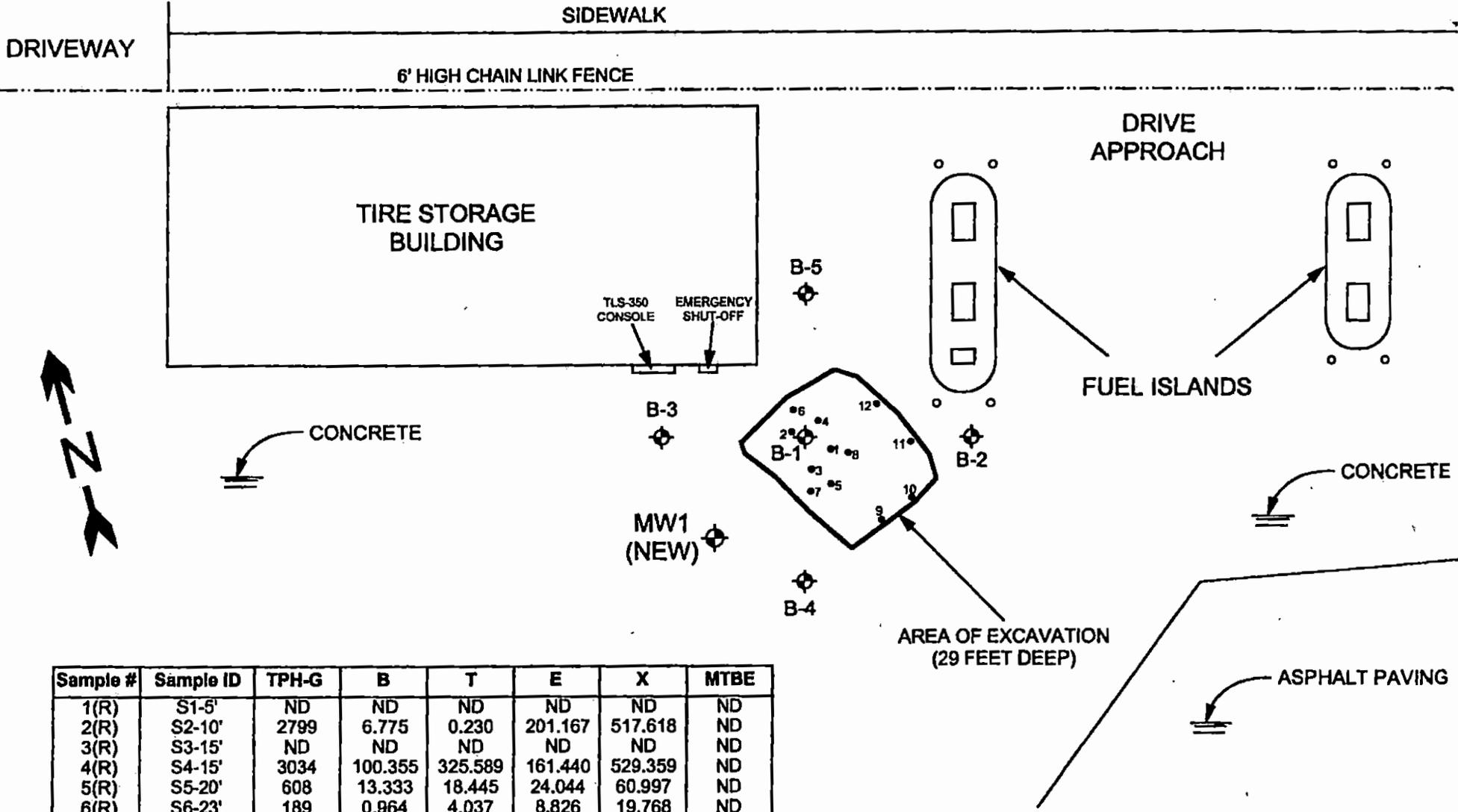
APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION

2009 E EDINGER AVENUE
SANTA ANA, CA 92705-4720

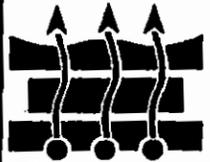
(714) 967-3600
FAX (714) 972-0749

CITY <u>Capistrano Beach, CA</u>		DATE <u>8-25-98</u>	WELL PERMIT NUMBER 98-08-36
WELL LOCATION (ADDRESS IF AVAILABLE) <u>26126 U.ctoria Blvd.</u>			
NAME OF WELL OWNER <u>Capistrano Unified School Dist.</u>		TYPE OF WELL (CHECK)	
ADDRESS <u>32972 Calle Perfecto</u>		PRIVATE DOMESTIC <input type="checkbox"/> MONITORING <input checked="" type="checkbox"/>	
CITY <u>San Juan Capistrano</u> ZIP <u>92675</u> TELEPHONE <u>(714) 434-7369</u>		PUBLIC DOMESTIC <input type="checkbox"/> SOIL BORING <input type="checkbox"/>	
NAME OF CONSULTING FIRM <u>The Reynolds Group</u>		IRRIGATION <input type="checkbox"/> OTHER <input type="checkbox"/>	
BUSINESS ADDRESS <u>250 El Camino Real</u>		CATHODIC <input type="checkbox"/> TOTAL NUMBER <u>1</u>	
CITY <u>Justin</u> ZIP <u>92780</u> TELEPHONE <u>714 7305397</u>		A. WELLS - SUBMIT A WELL CONSTRUCTION DIAGRAM (INCLUDE DIMENSIONS)	
NAME OF DRILLING CO. <u>JSH Drilling</u> C-57 LICENSE NO. <u>574490</u>		B. SOIL BORINGS AND PROBES - TOTAL DEPTH <u>40 FT.</u> SEALING MATERIAL <u>Bentonite Grout</u>	
CITY <u>Anaheim</u> ZIP <u>92805</u> TELEPHONE <u>714 5550392</u>		C. PROPOSED START DATE <u>8-31-98</u>	
DIAGRAM OF WELL SITE (Use additional sheets and/or attachments)		<p><i>I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.</i></p> <p style="text-align: right;"><u>Agent for Owner, J. Eiegler 8/25/98</u> APPLICANT'S SIGNATURE DATE</p> <p style="text-align: center;"><u>Dwayne Eiegler</u> PRINT NAME</p> <p style="text-align: center;"><u>714-730-5397 714-730-6170</u> PHONE NUMBER FAX NUMBER</p>	
<input checked="" type="checkbox"/> SITE PLAN ATTACHED			
FOR ACCOUNTING USE ONLY: HSO NO. <u>153012</u> CHECK NO. <u>4075</u> DATE <u>8/26/98</u> AMOUNT <u>\$225-</u> INTL. <u>MO</u>		DISPOSITION OF PERMIT (DO NOT FILL IN): <input checked="" type="checkbox"/> APPROVED SUBJECT TO THE FOLLOWING CONDITIONS: A. NOTIFY THIS AGENCY AT LEAST 48 HOURS <input type="checkbox"/> PRIOR TO START. <input type="checkbox"/> PRIOR TO SEALING THE ANNULAR SPACE OR FILLING OF THE CONDUCTOR CASING. B. <input checked="" type="checkbox"/> SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO. C. <input checked="" type="checkbox"/> SECURE ALL MONITORING WELLS TO PREVENT TAMPERING. D. <input type="checkbox"/> OTHER _____ <input type="checkbox"/> DENIED _____	
APPROVAL BY OTHER AGENCIES: JURISDICTION _____ REMARKS _____ _____ _____ _____		<p style="text-align: center;"><u>Don Williams 8/26/98</u> PERMIT ISSUED BY DATE</p> <p style="text-align: center;"><u>DAVID WILLIAMS (714) 667-3657</u> PRINT NAME PHONE NUMBER</p>	
AUTHORIZED SIGNATURE _____ DATE _____			



Sample #	Sample ID	TPH-G	B	T	E	X	MTBE
1(R)	S1-5'	ND	ND	ND	ND	ND	ND
2(R)	S2-10'	2799	6.775	0.230	201.167	517.618	ND
3(R)	S3-15'	ND	ND	ND	ND	ND	ND
4(R)	S4-15'	3034	100.355	325.589	161.440	529.359	ND
5(R)	S5-20'	608	13.333	18.445	24.044	60.997	ND
6(R)	S6-23'	189	0.964	4.037	8.826	19.768	ND
7(R)	S7-25'	24	2.744	6.173	1.276	5.129	ND
8(R)	S8-29'	12	0.106	0.196	0.627	0.444	ND
9	SW-10'	ND	ND	ND	ND	ND	ND
10	SW-20'	ND	0.121	ND	0.160	ND	ND
11	EW-10'	ND	ND	ND	ND	ND	ND
12	EW-20'	ND	0.014	ND	0.026	ND	ND

(R) SOIL REMOVED DURING EXCAVATION
 ⊕ B-3 LOCATION OF BORINGS PERFORMED IN 1992

PLOT PLAN WITH "INTERIM SOURCE REMOVAL" DIAGRAM AND GROUND WATER MONITORING WELL LOCATION

THE REYNOLDS GROUP
 ENVIRONMENTAL SERVICES
 CAPISTRANO UNIFIED SCHOOL DISTRICT
 VICTORIA BLVD
 CAPISTRANO BEACH
 SEPTEMBER, 1998.
FIGURE 3
 SCALE 1" = 10'
 PROJECT NUMBER
 5075 - CAPC

APPENDIX E
COPIES OF CORRESPONDENCE
WITH AGENCY



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

RONALD R. DILUIGI
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

**PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH**

July 14, 1998

Mark Bauer
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Interim Source Removal Plan

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Bauer:

This Agency has reviewed the July 7, 1998; Interim Source Removal Action Plan prepared by The Reynolds Group. This proposal is acceptable to this Agency provided the following considerations are addressed:

1. Following completion of the excavation project, a proposal must be submitted for the reinstallation of the monitoring well as close as possible to the excavated area. The proposal must also include additional groundwater assessment to determine the lateral extent of the groundwater contamination. If "hydropunch" samples are proposed, permanent groundwater monitoring wells may be required based upon the results of the assessment.
2. A sufficient number of soil samples must be collected from the sidewalls and bottom of the excavation to document the concentrations of the remaining contamination.
3. This Agency must be notified at least forty-eight (48) hours prior to conducting the excavation or soil sampling at the site.

If you have any questions, please call me at (714) 667-3711.

Sincerely,

James C. Strozier REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

cc: Ed Reynolds, The Reynolds Group

JS/90-28/approval

PROJ# 4759 Name Cap
C P R
cc: ER

RECEIVED
JUL 15 1998
BY: _____

July 7, 1998

Mr. James C. Strozier
Hazardous Waste Specialist
**ORANGE COUNTY HEALTH
CARE AGENCY**
Environmental Health Division
2009 East Edinger Avenue
Santa Ana, California 92705



**PROPERTY: CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BOULEVARD, CAPISTRANO, CALIFORNIA**

SUBJECT: INTERIM SOURCE REMOVAL ACTION PLAN

Dear Mr. Strozier,

Capistrano Unified School District has requested your immediate attention to this letter. We request that you formally approve in writing Capistrano Unified School District's plan to perform an interim source removal action that includes soil excavation to address gasoline impacted soil at the subject property.

BACKGROUND

As you are aware, after a span of almost a decade, the underground storage tanks at the subject property are being upgraded and the last two old tanks were removed last week. Approximately eight (8) years ago, two tanks were removed and gasoline/diesel impacted soils were discovered beneath the site.

After the two tanks were removed, a "Site Assessment Report and Remedial Action Plan" was prepared and submitted on August 6, 1990 by Hekimian & Associates, Inc. (Hekimian) to address the impacted soils. The report concluded "that Borings B-2, B-3, B-4, and B-5 show insignificant levels of both TPH and BTEX. Therefore, the extent of the contamination plume is adequately defined. The contamination is limited to the immediate vicinity of B-1 from the surface to between 20 and 25 feet below grade. It is indicated that the most efficient remediation method is localized excavation." Hekimian concluded (like you told us in the field last week) that the extent of contaminated soil was adequately characterized. A copy of the figure entitled "Boring Profiles" from the 1990 Hekimian report is included with this letter petition.

Since 1990, the only action that has been taken with respect to the subsurface environmental issues at the property is that a single groundwater monitoring well was installed. The historical results of the sampling of the well are attached to this letter. You and we agree that the groundwater is impacted. Our client elected to defer further subsurface investigations until after the remaining two old tanks were removed from the ground.

Mr. Jim Strozier, ORANGE COUNTY HEALTH CARE AGENCY
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"
July 7, 1998
page 2

CURRENT STATUS

In the last few days (July 1 through 3, 1998), the two remaining underground storage tanks at the site were removed. All of the soil sample analytical results from this recent underground storage tank removal were non-detect for all constituents tested. The initial results are attached to this letter. There are no other underground storage tanks known to us to be located on the premises that could continue to be a source of petroleum hydrocarbons leaking into the soil to the groundwater.

The only remaining source of petroleum hydrocarbons to the groundwater is the impacted soil above the groundwater identified by Hekimian in 1990 in the vicinity of their borings B1 through B-5.

As I write this letter, our client, Capistrano Unified School District has the ground uncovered in anticipation of upgrading the underground storage tanks with a new system that your agency has approved. The ground is open and all the soil sample results from the leftover two old tanks are "clean." It makes sense now to implement this interim source removal action.

PETITION TO PERFORM INTERIM SOURCE REMOVAL ACTION

We respectfully request permission to perform an interim source removal action by excavating the gasoline impacted soils beneath the location of the former tank in the area of assessed by Hekimian in 1990.

Our client has asked me if I would guarantee that your agency would not come back and require remediation of the soils at a later date if we did not recommend excavating the soils now. I could not provide such a guarantee. However, I do know from having worked in your jurisdiction for the last twelve years that more recently you have considered "source removal" to an effective way of reasonably addressing soils issues.

The soils beneath this site are silts and clays. Depth to groundwater is approximately 19 feet below the ground surface according to our sampling rounds. However, you will see from Hekimian's results that contamination extends to 30 feet below ground surface. Confined conditions may exist which means that groundwater may not be encountered until deeper than 19 feet below ground surface.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"

July 7, 1998

page 3

WORK PLAN FOR INTERIM SOURCE REMOVAL

We request your approval to remove the worst impacted zone of soil (the "source") that can be reached with long reach excavating equipment, yet not compromise the integrity of the tire storage building and the vehicle maintenance building near the excavation.

This interim source removal plan is based on the premise that your agency will require some form of soil remediation in the worst impacted area because the groundwater is impacted "above your low risk criteria" in that one area. An interim source removal volume of 15 feet by 15 feet and 30 feet deep would substantially address the zone of petroleum impacted soil identified by Hekimian. This would equal approximately 350 tons of soil. We recommend that the 350 tons of soil be excavated.

Attached to this letter you will also find our plots of benzene and xylene concentrations with respect to depth. During the interim source removal action, we will take soil samples.

To further address the remaining "significantly impacted" groundwater, we plan to install a passive biological treatment regime in the excavation, using oxygen-releasing compounds (ORC). The ORC would be mixed into the soil backfill in accordance with the engineer's specification. The oxygen releasing compounds (ORC) would form a barrier and would further reduce your agency's concerns about the impact to groundwater. They will also further help stabilize the groundwater plume and accelerate the degradation of petroleum hydrocarbons.

INTERIM SOURCE REMOVAL MAKES SENSE

Excavating the existing petroleum-impacted silts and clays within a limited zone around the impacted groundwater well and the location of the worst impacted soil as delineated by Hekimian in the area of B-1 is a specific interim source removal approach. This approach will result in the substantial removal of non-aqueous phase liquids (NAPL's) identified by Hekimian in B-1 at the property. Excavation followed by ORC is the best and most prudent way to force a dramatic reduction in the gasoline and BTEX detected in the groundwater monitoring well.

Doing the work now while the asphalt and concrete surfacing is removed and the tanks are being upgraded would be much more cost effective than performing the work after the upgrade project is completed and the transportation yard is back in operation.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"
July 7, 1998
page 4

This interim and immediate source removal action makes sense versus other actions available such as "do nothing" or "soil vapor extraction." We do not know of any more cost-effective technologies than excavation followed by ORC that would specifically and exactly address the section of silt and clays that Hekimian identified to be the offending source of gasoline and BTEX impact to the groundwater. The estimated cost of the proposed action, at \$25,000, is a reasonable cost for our client to bear.

After the work is completed, it is highly unlikely that your agency will require any further action related to the soil contamination because there will be no feasible technical or economical way to further address the soil. Our client will have done all they can do to address the soil.

OUR THINKING RELATED TO FURTHER GROUNDWATER MONITORING

Naturally, the existing groundwater monitoring well will have to be demolished during the interim source removal action and then re-installed after the interim source removal action has been completed. It will be very difficult to install the well into the pea gravel backfill directly in the center of the excavation, so we plan to install a new groundwater monitoring well downgradient (i.e. to the west of Hekimian's B-1, closer to B-3). The ORC would act to assist in reducing the concentrations of benzene in the groundwater.

We hope your agency will not require further groundwater assessment because this interim source removal action addresses substantially all of the identified soil contamination and hence the remaining source of petroleum hydrocarbons to the groundwater. If your agency does require further groundwater assessment, then the assessment should be conducted in the form of "hydropunch" sampling. No additional permanent groundwater monitoring wells should be installed beyond the single groundwater well that we propose to re-install to the west of the existing well after this interim source removal action.

If the concentrations of petroleum in the groundwater stabilize as evidenced in the new well installed after the interim source removal action (regardless of the concentrations of gasoline and BTEX in the groundwater), then we recommend taking no further action with respect to the groundwater. The last remaining threat to groundwater will have been addressed by the interim removal action taken.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"
July 7, 1998
page 5

CONCLUSION

We request your approval to proceed with this plan next week. If you have any questions regarding this letter or its attachments, please call me at 714-730-5397. Our offices are located two minutes from yours and I always enjoy meeting with you in person.

Sincerely,
THE REYNOLDS GROUP
A California Corporation by:

F. Edward Reynolds, Jr.

F. Edward Reynolds, Jr.
Registered Civil Engineer

attachments



CHAIN OF CUSTODY
 Orange County Health Care Agency
 Environmental Health Division
 2009 E. Edinger Ave., Santa Ana, CA 92705
 Telephone: (714) 667-3700

80702 B

- ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.
- PLEASE WRITE LEGIBLY.
- ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):
 CHILLED: _____ COUNTY SEAL(S) INTACT: Yes
no county seals available

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Cap U.S.D.
26126 Victoria Blvd.

DATE OF COLLECTION: 7/2/98

SAMPLE COLLECTOR/COMPANY: Retail Super
The Reynolds Group

TELEPHONE NO.: 730-5397

HCA REPRESENTATIVE: J. Storz

667-3711

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
1 G51	TPH, 8020 (MTBE)	DTSC - TPH method for	
2 G52		Gasoline + Diesel +	
3 DS1		GPA method 8020 for	
4 DS2		BTXE + MTBE	
5 DW1		Identify top ten	
6 SPG		peaks on 8020	
7 SPD			

7.

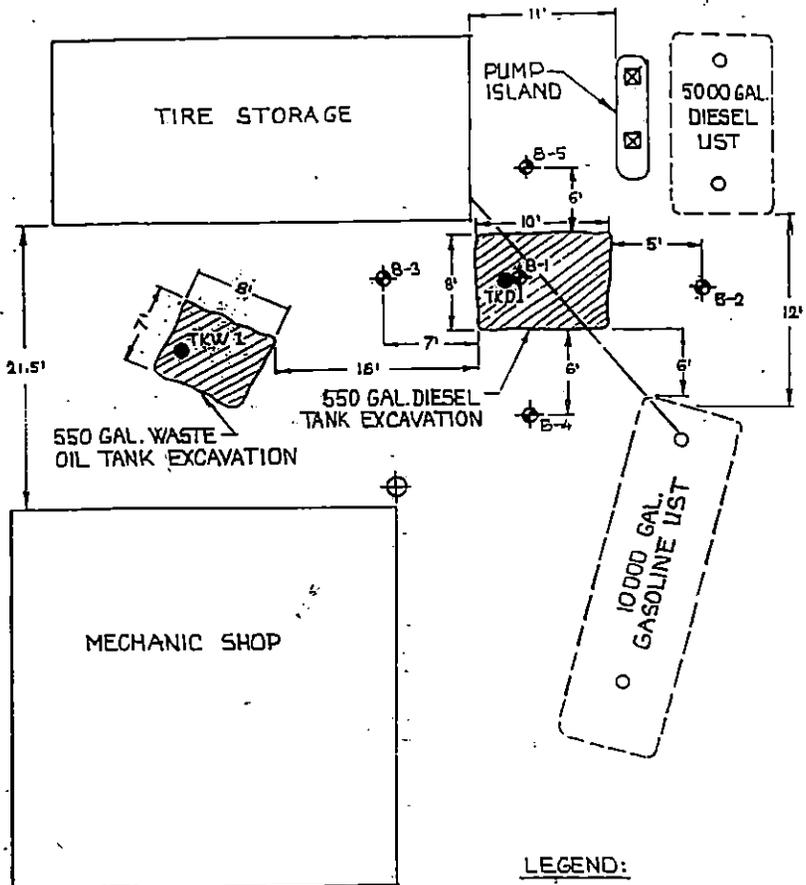
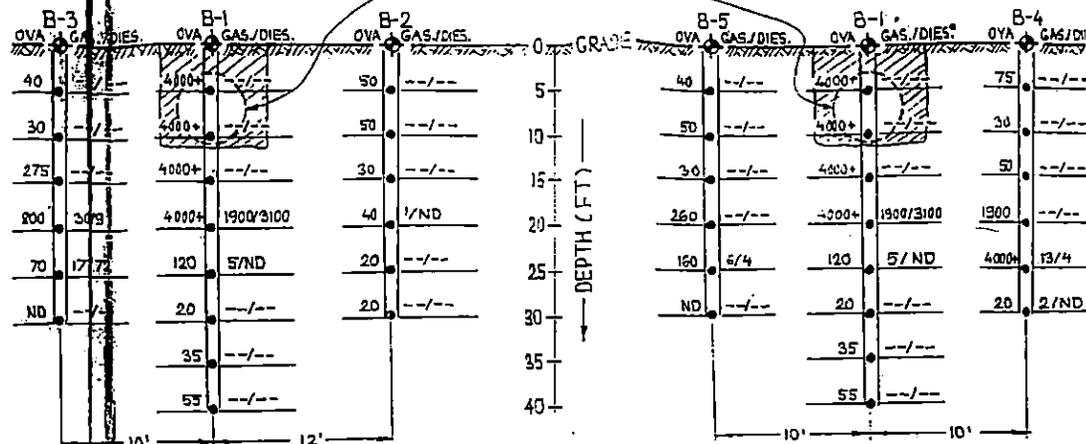
CHAIN OF CUSTODY		
1. <u>[Signature]</u> SIGNATURE	<u>[Signature]</u> COMPANY/AGENCY	<u>7/2/98</u> INCLUSIVE DATES/TIMES
2. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98</u> INCLUSIVE DATES/TIMES
3. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98 14:00hrs</u> INCLUSIVE DATES/TIMES
4. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98 14:00hrs</u> INCLUSIVE DATES/TIMES
5. <u>[Signature]</u> SIGNATURE	<u>C & E Lab.</u> COMPANY/AGENCY	<u>7-2-98 14:00</u> INCLUSIVE DATES/TIMES
6. _____ SIGNATURE	_____ COMPANY/AGENCY	_____ INCLUSIVE DATES/TIMES

VICTORIA BOULEVARD

WEST-EAST BORING PROFILE

NORTH-SOUTH BORING PROFILE

FORMER 550 GALLON FUEL TANK P.I.T.



AROMATIC VOLATILE HYDROCARBONS (BTEX, mg/kg)

SAMPLE I.D.	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE
B-1-20	21	190	55	420
B-1-25	0.2	0.1	ND	ND
B-1-30	ND	ND	ND	ND
B-2-20	ND	ND	ND	ND
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-3-30	ND	ND	ND	ND
B-4-25	0.2	0.5	0.3	0.3
B-4-30	ND	ND	ND	ND
B-5-25	0.1	0.2	ND	0.2
B-5-30	ND	ND	ND	ND

LEGEND:

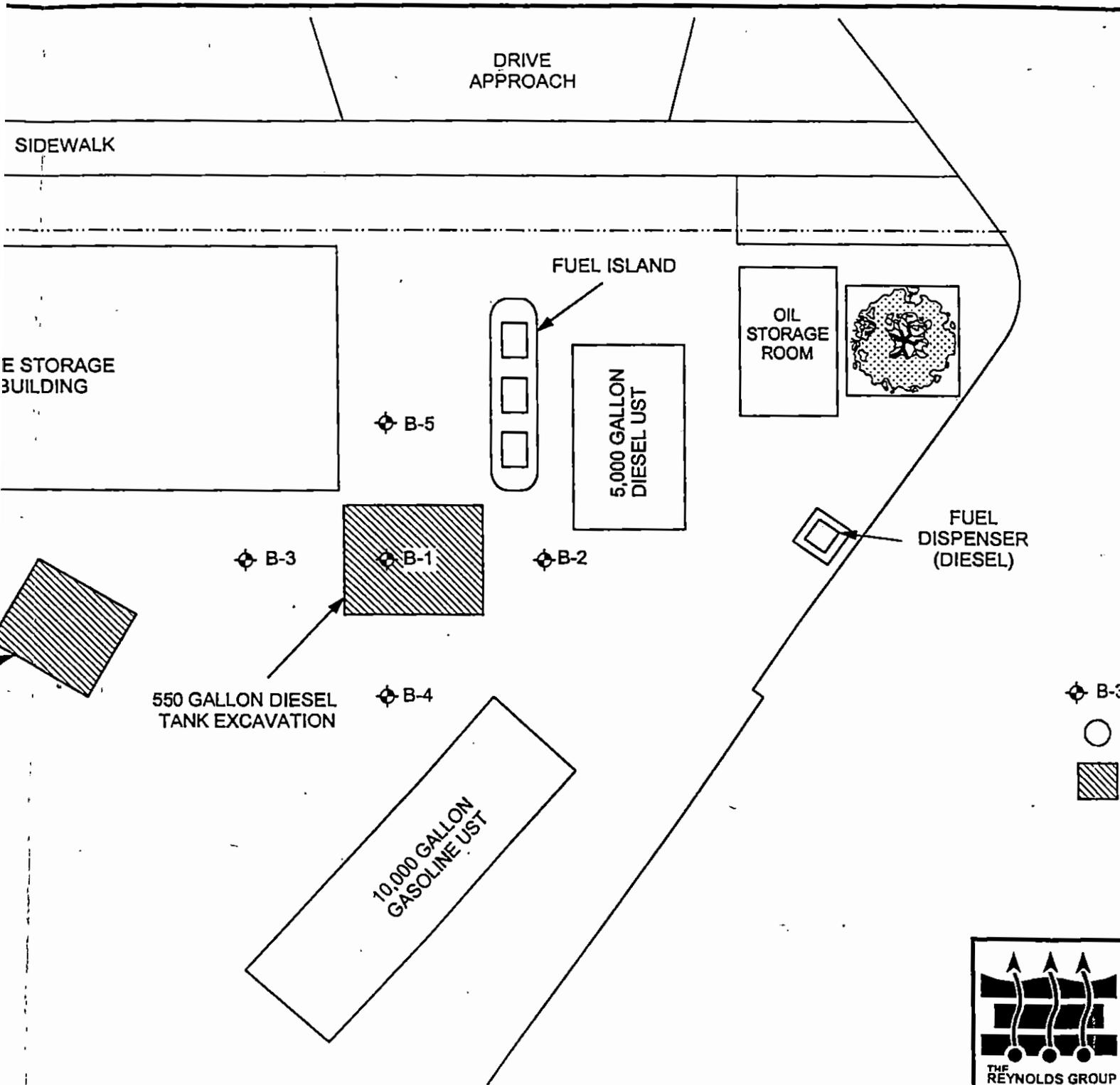
- ...TANK REMOVAL SAMPLE
- ◆ ...LOCATION OF BORING COMPLETED
- ⊕. PROPOSED ADDITIONAL BORING LOCATION
- VA | GAS./DIES. ... OVA (ppm); GASOLINE (mg/kg) / DIESEL (mg/kg)

HELMAN & ASSOCIATES, INC.
 CONSULTING ENGINEERS AND ENVIRONMENTAL PLANNERS
 16571 Gemini Lane
 Huntington Beach, CA 92644
 (714) 841-6228
 FAX (714) 848-2600

SCALE: N.T.S. APPROVED BY: _____ DRAWN BY: Y.S.
 DATE: 6/25/90 REVISED

CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BLVD., CAPISTRANO, CA

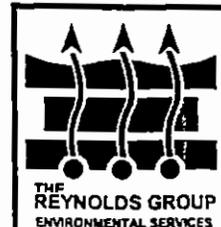
BORING PROFILES FIGURE 2

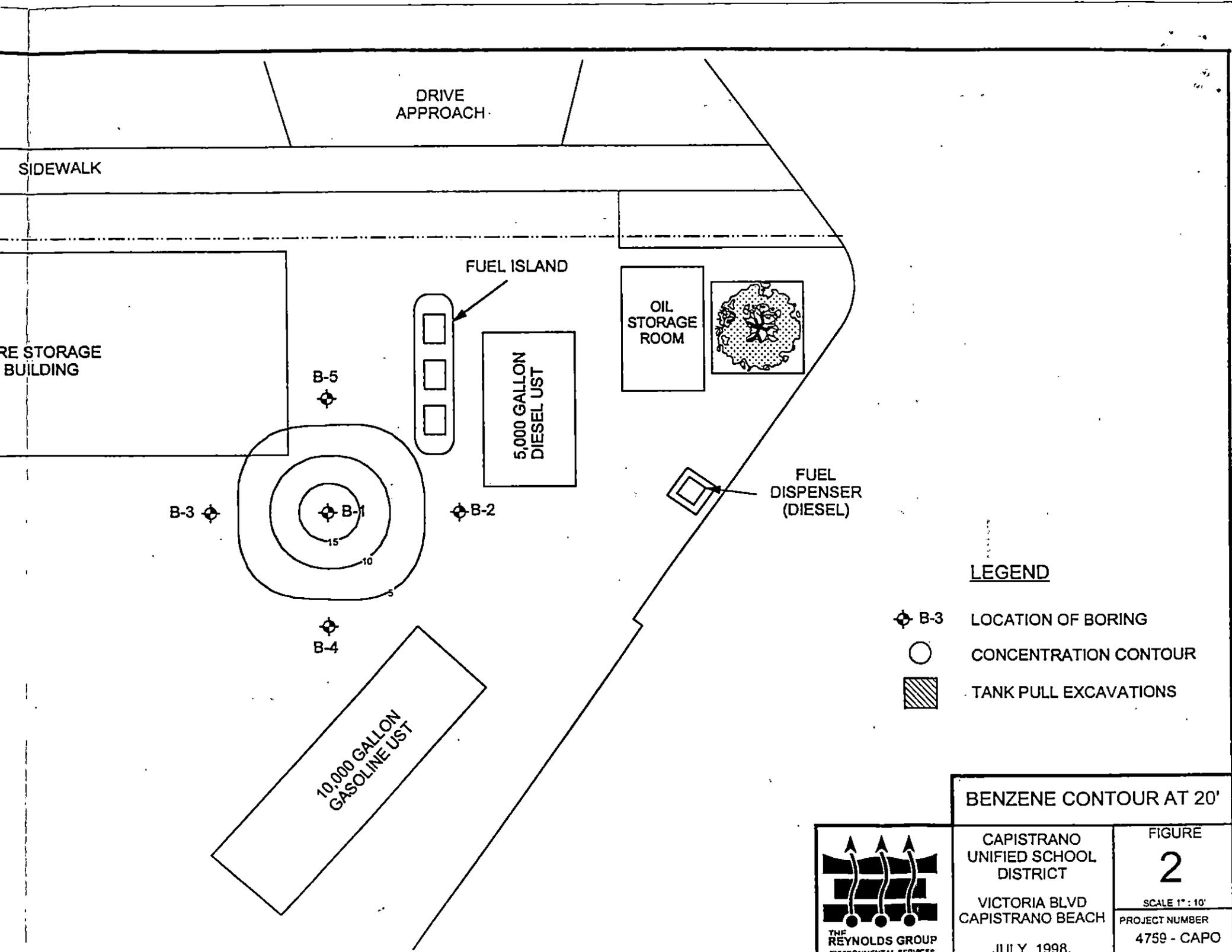


LEGEND

- ◆ B-3 LOCATION OF BORING
- CONCENTRATION CONTOUR
- ▨ TANK PULL EXCAVATIONS

WELL LOCATION	
CAPISTRANO UNIFIED SCHOOL DISTRICT	FIGURE 1
VICTORIA BLVD CAPISTRANO BEACH	SCALE 1" : 10'
JULY, 1998.	PROJECT NUMBER 4759 - CAPO

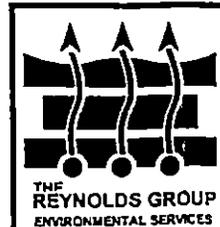




LEGEND

- ⊕ B-3 LOCATION OF BORING
- CONCENTRATION CONTOUR
- ▨ TANK PULL EXCAVATIONS

BENZENE CONTOUR AT 20'



CAPISTRANO
UNIFIED SCHOOL
DISTRICT

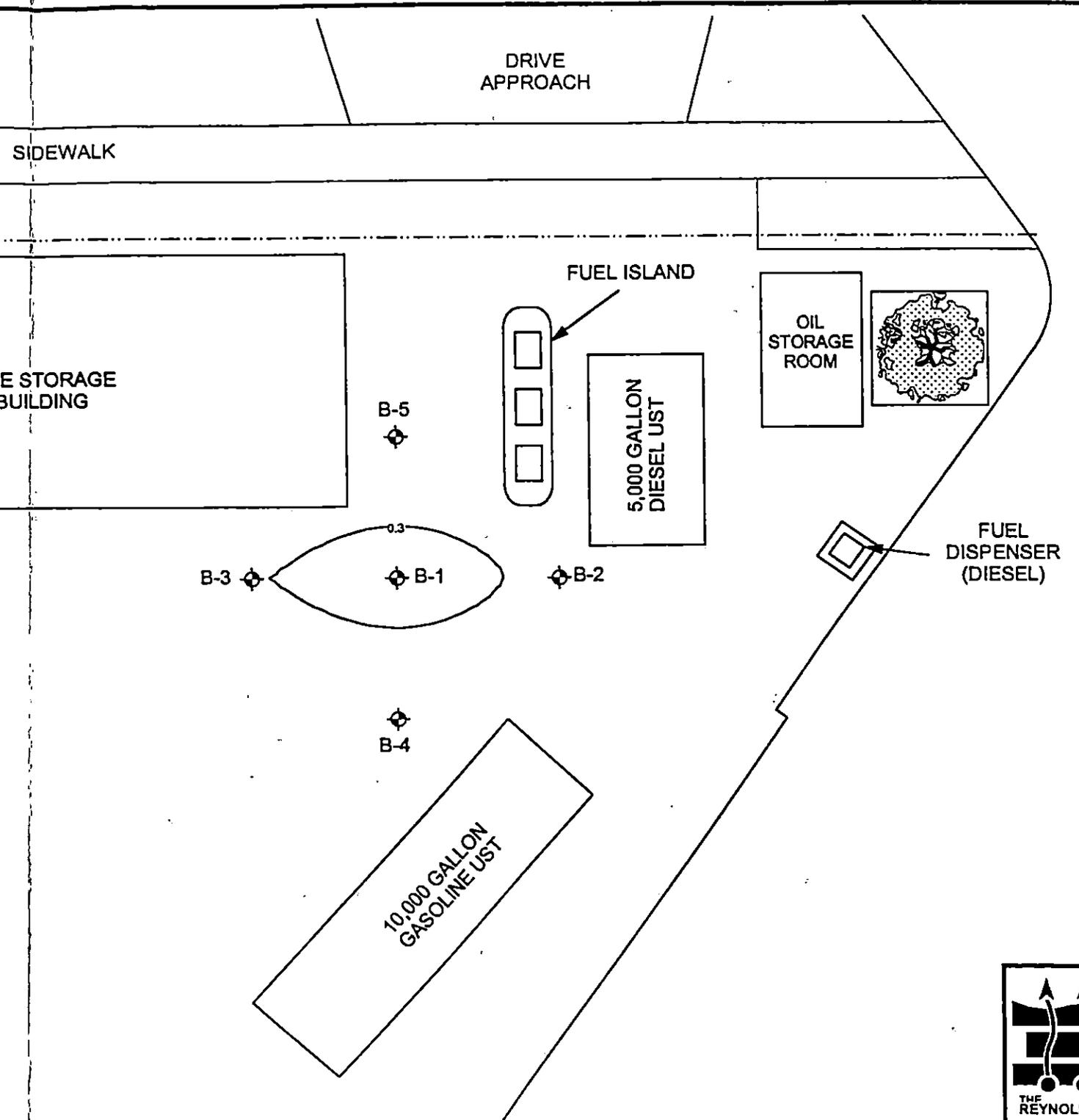
VICTORIA BLVD
CAPISTRANO BEACH

JULY, 1998.

FIGURE
2

SCALE 1" : 10'

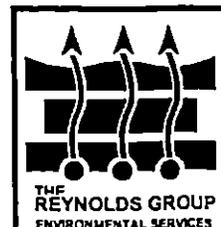
PROJECT NUMBER
4759 - CAPO



LEGEND

- ◆ B-3 LOCATION OF BORING
- CONCENTRATION CONTOUR
- ▨ TANK PULL EXCAVATIONS

BENZENE CONTOUR AT 25'

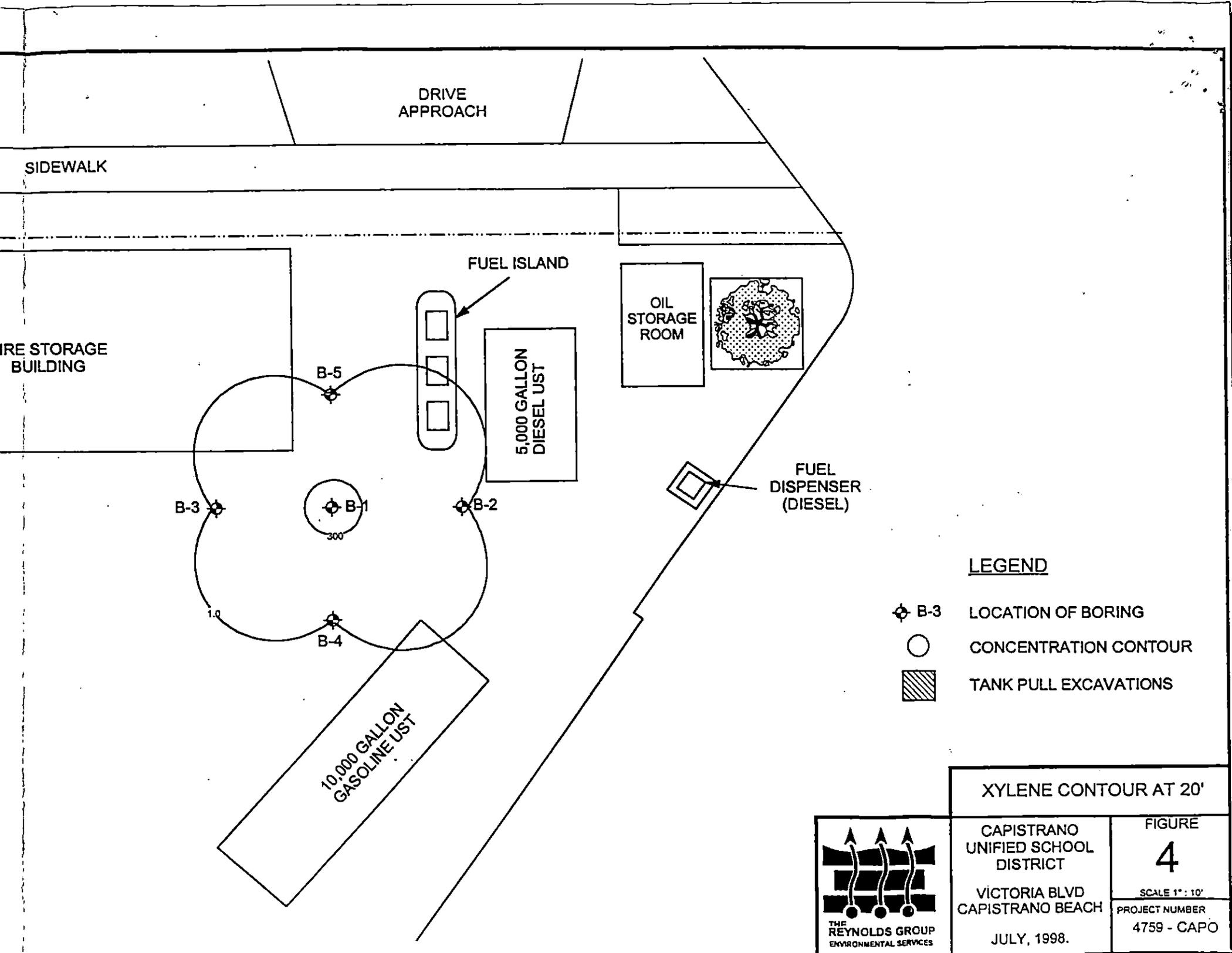


CAPISTRANO
UNIFIED SCHOOL
DISTRICT

VICTORIA BLVD
CAPISTRANO BEACH

JULY, 1998.

FIGURE
3
SCALE 1" : 10'
PROJECT NUMBER
4759 - CAPO

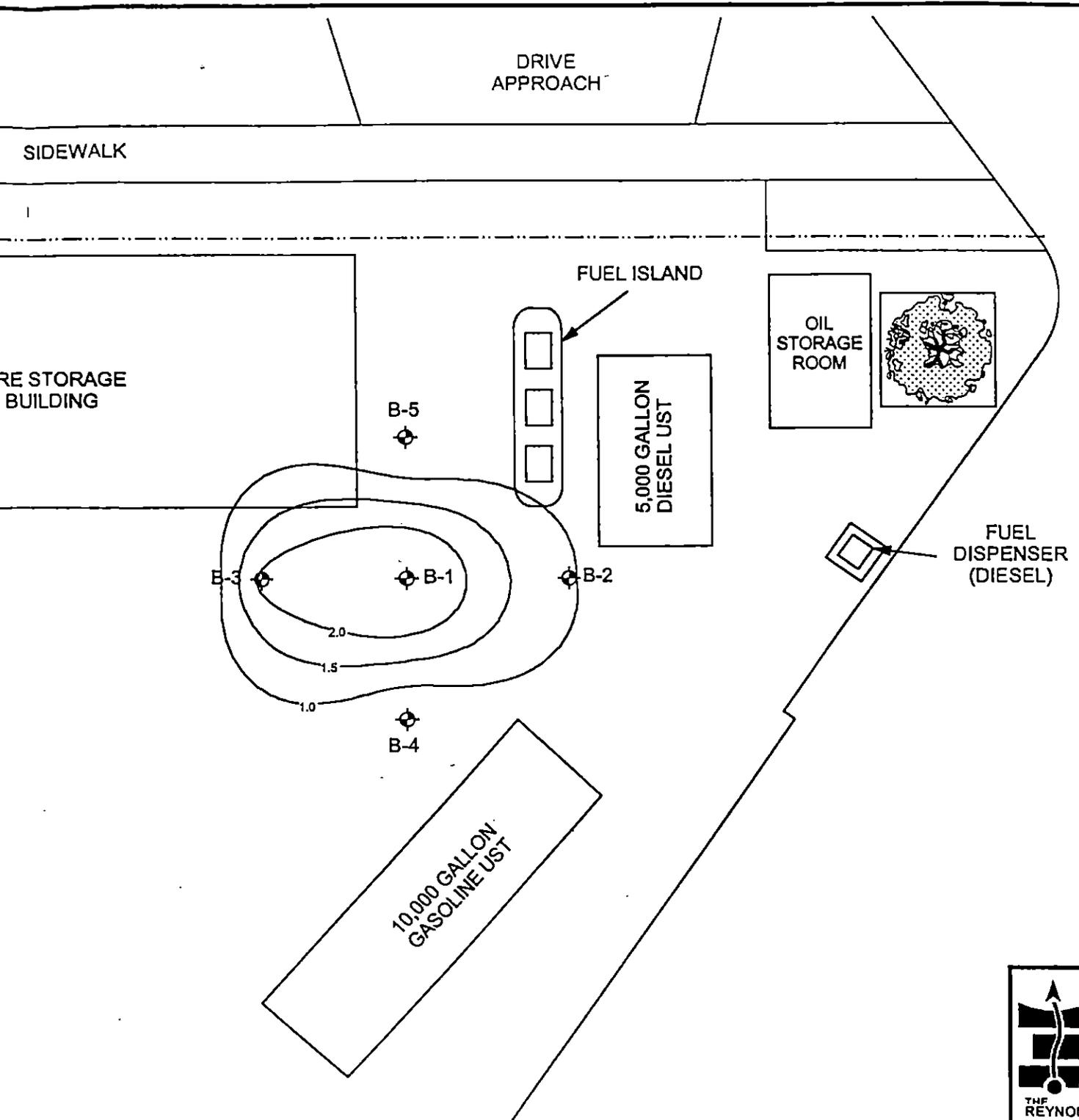


LEGEND

- ◆ B-3 LOCATION OF BORING
- CONCENTRATION CONTOUR
- ▨ TANK PULL EXCAVATIONS

XYLENE CONTOUR AT 20'	
CAPISTRANO UNIFIED SCHOOL DISTRICT	FIGURE 4
VICTORIA BLVD CAPISTRANO BEACH	SCALE 1" : 10' PROJECT NUMBER 4759 - CAPO
JULY, 1998.	

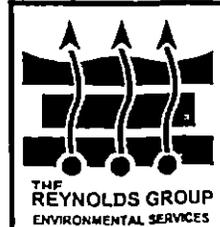




LEGEND

-  B-3 LOCATION OF BORING
-  CONCENTRATION CONTOUR
-  TANK PULL EXCAVATIONS

XYLENE CONTOUR AT 25'



CAPISTRANO
UNIFIED SCHOOL
DISTRICT

VICTORIA BLVD
CAPISTRANO BEACH

JULY, 1998.

FIGURE
5
SCALE 1" : 10'
PROJECT NUMBER
4759 - CAPO

**TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA**

WELL ID	SAMPLE DATE	ELEVATION OF TOP OF CASING ¹	DEPTH TO GROUND-WATER ²	GROUNDWATER SURFACE ELEVATION ³
MW-1	12/28/95	NA ⁴	20	NA
MW-1	4/1/96	NA	19.11	NA
MW-1	7/15/96	NA	19.44	NA
MW-1	10/11/96	NA	20.07	NA
MW-1	1/29/97	NA	19.01	NA
MW-1	4/22/97	NA	18.62	NA
MW-1	8/6/97	NA	19.84	NA
MW-1	11/25/97	NA	19.49	NA
MW-1	1/21/98	NA	19.37	NA

- Notes:
1. Casing elevation has not been measured.
 2. Groundwater depths are given in feet below top of casing.
 3. Relative to mean sea level.
 4. NA = Not Applicable

**TABLE 2
ANALYSES OF GROUNDWATER SAMPLES
BY EPA METHODS 8015 MODIFIED AND 8020 WITH MTBE
RESULTS REPORTED IN PARTS PER MILLION (mg/L)**

WELL ID	SAMPLE DATE	ANALYZED COMPOUNDS						
		TPH AS DIESEL ¹	TPH AS GAS ²	B ³	T ³	E ³	X ³	MTBE ⁴
MW-1	12/28/95	ND ⁵	23.00	3.2823	8.3978	0.2751	4.2884	NA ⁶
MW-1	4/1/96	ND	0.600	0.2223	0.0051	0.0222	0.0037	ND
MW-1	7/15/96	ND	1.900	0.7118	0.0444	0.0671	0.0502	ND
MW-1	10/11/96	ND	2.100	0.6273	0.0503	0.0299	0.0627	ND
MW-1	1/29/97	ND	2.899	0.8411	0.3149	0.0087	0.2276	.043
MW-1	4/23/97	ND	1.063	0.6173	0.0081	0.0051	0.0049	.011
MW-1-NP ⁸	8/6/97	ND	39.47	14.312	1.4718	3.0213	1.2515	.209
MW-1	11/25/97	NA	45.04	15.203	5.2010	3.5199	1.3384	.120
MW-1	1/21/98	ND	21.197	9.664	0.506	2.369	0.332	0.042

- Notes:
- 1) TPH as diesel analyzed according to EPA Method 8015 modified for diesel, ppm.
 - 2) TPH as gasoline analyzed according to EPA Method 8015 modified for gasoline, ppm.
 - 3) Benzene, toluene, ethylbenzene and xylenes (BTEX) analyzed according to EPA Method 8020, ppm.
 - 4) Methyl tertiary butyl ether analyzed according to EPA Method 8020, ppm.
 - 5) ND = compound not detected above specified detection unit.
 - 6) NA = compound not analyzed.
 - 7) Disposable bailer used, therefore no blank generated.
 - 8) NP = Sample taken without purging

2
1
1
1
1

APPENDIX F
SOIL DISPOSAL MANIFESTS

2908

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **NIA**

2. Page 1 of **848-01**

3. Generator's Name and Mailing Address
**CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA**

4. Generator's Phone (**949**) **489-7369**

5. Transporter 1 Company Name **JW**

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407**

10. US EPA ID Number

11. Waste Shipping Name and Description
Non-Hazardous Soil

12. Containers No. **001** Type **DTD**

13. Total Quantity **0020CY**

14. Unit Wt/Vol

D. Additional Descriptions for Materials Listed Above
Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above
01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information
None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on

Printed/Typed Name **MARK STRICKS**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **CARLOS BUI**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

19. Discrepancy Indication Space
GH98-848 TICK

20. Facility Owner or Operator: Certification of receipt of waste material

Printed/Typed Name **CDE GLEN HELEN SOIL RECYCLING I**

regulations for reporting proper disposal of Hazardous Waste.

Month Day Year
7 21 98

Month Day Year
7 21 98

Month Day Year
7 21 98

TONS **26.58**

cept as noted in item 19.

Month Day Year
7 21 98

ATOR

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL

Date From To

1/671

12

of pages

KOSANE

10 15 18

1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's U
N/

Manifest Document No.

2. Page 1 of

848-02

3. Generator's Name and Mailing Address
**CAPISTRANO UNIFIED SCHOOL DISTR
32972 CALLE PERFECTO, SAN JUAN CA**

Approval GH98-848

4. Generator's Phone (949) 489-7369

5. Transporter 1 Company Name

6. Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

**CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407.**

909-887-9471

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. Non-Hazardous Soil

0 0 1 D T 0 0 0 2 0 C Y

b.
c.
d.

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for requiring proper disposal of Hazardous Waste.

Printed/Typed Name

ON BEHALF OF CAPD USD MARK STROCK'S

Signature

[Signature]

Month Day Year

1 7 2 1 9 8

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

OSCAR R. DELGADO

Signature

[Signature]

Month Day Year

0 7 2 1 9 8

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GH98-848

TICKET # 9281

TONS 23.77

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name

Signature

[Signature]

Month Day Year

1 7 2 1 9 8

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of

848-03

3. Generator's Name and Mailing Address
**CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA**

Approval **GH98-848**

4. Generator's Phone (**949**) **489-7369**

5. Transporter 1 Company Name
Moralis Leaching

6. US EPA ID Number

A. Transporter's Phone
714-538-5735

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

**CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407**

10. US EPA ID Number

C. Facility's Phone

909-887-9471

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit
Wt/Vol

a. **Non-Hazardous Soil**

0 0 1 D T 0 0 0 2 0 CY

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
ON BEHALF OF CAPO USD MARK STROCKIS

Signature
[Signature]

Month Day Year
1 7 12 1998

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
JAMES A-JONES

Signature
[Signature]

Month Day Year
10 7 12 1998

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GH98-848

TICKET # **9284**

TONS **24.35**

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name

Signature
[Signature]

Month Day Year
1 7 21 98

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A	Manifest Document No.	2. Page 1 of 848-04
3. Generator's Name and Mailing Address CAPISTRANO UNIFIED SCHOOL DISTRICT 32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA			Approval GH98-848	
4. Generator's Phone (949) 489-7369				
5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address CDE Glen Helen Soil Recycling Facility Glen Helen Regional Park, Devore, CA 92407		10. US EPA ID Number	C. Facility's Phone 909-887-9471	
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit
a. Non-Hazardous Soil		No. Type	Quantity	Unit
		0 0 1 0 T 0 0 0 2 0	CY	
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Petroleum Contaminated Soil			E. Handling Codes for Wastes Listed Above 01- Recycle (Asphalt Production)	
15. Special Handling Instructions and Additional Information None SITE INFO: SITE CONTACT:				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name ON BEHALF OF GAD USD MADE STEOKIS		Signature <i>[Signature]</i>		Month Day Year 1 21 198
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name PABLO Mendler	Signature <i>[Signature]</i>	Month Day Year 0 7 12 1 198		
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month Day Year		
19. Discrepancy Indication Space OH98-848 TICKET # 9289 TONS 2628				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19. CDE GLEN HELEN SOIL RECYCLING FACILITY				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 1 21 198

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of

848-06

3. Generator's Name and Mailing Address
**CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA**

Approval **GH98-848**

4. Generator's Phone (**949**) **489-7369**

5. Transporter 1 Company Name
ZEPEDA BROTHERS TRG

6. US EPA ID Number

A. Transporter's Phone
909-785-3491

7. Transporter 2 Company Name

B. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

**CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407**

909-887-9471

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. **Non-Hazardous Soil**

0 0 1 D T O 0 0 2 0 CY

b.
c.
d.

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
ON BEHALF OF CAPS USD MARK STROCKIS

Signature
[Signature]

Month Day Year
7 21 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Henry Zepeda

Signature
[Signature]

Month Day Year
07 21 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GH98-848

TICKET # 9292

TONS 2682

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name

Signature
[Signature]

Month Day Year
7 21 98

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of

848-07

3. Generator's Name and Mailing Address

CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA

Approval GH98-848

4. Generator's Phone (949) 489-7369

5. Transporter 1 Company Name

MARIC HANRY

6. US EPA ID Number

A. Transporter's Phone

760 7231817

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407

10. US EPA ID Number

C. Facility's Phone

909-887-9471

11. Waste Shipping Name and Description

Non-Hazardous Soil

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

0 0 1 D T 0 0 0 2 0 CY

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

ON BEHALF OF CUD LEO MARIK STROCKIS

Signature

[Signature]

Month Day Year

1 7 12 1998

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARIC HANRY

Signature

[Signature]

Month Day Year

1 7 12 1998

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GH98-848

TICKET # 9293

TONS 27.14

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name

Signature

[Signature]

Month Day Year

1 7 12 1998

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

2908

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of 848-07

3. Generator's Name and Mailing Address
CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA

Approval GH98-848

4. Generator's Phone (949) 489-7369

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devora, CA 92407

909-887-9471

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Non-Hazardous Soil

0 0 1 D T 0 0 0 2 0 CY

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

ON BEHALF OF CAPISTRANO UNIFIED SCHOOL DISTRICT

MARK STROCKIS

Signature

Mark Strocks

Month Day Year
7 12 98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CARLOS BULS

Signature

Carlos Buls

Month Day Year
7 12 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GH98-848

TICKET # 9302

TONS 31.93

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name

Signature

R. Arger

Month Day Year
7 12 98

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of 848-09

3. Generator's Name and Mailing Address
CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA

Approval GH98-848

4. Generator's Phone (949) 489-7369

5. Transporter 1 Company Name
Morales Trucking

6. US EPA ID Number

A. Transporter's Phone
714-5730-5739

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407

909-887-9471

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Val

a. Non-Hazardous Soil

0 0 1 D T 0 0 0 2 0 CY

11. Waste Shipping Name and Description		12. Containers		13. Total Quantity	14. Unit Wt/Val
		No.	Type		
a. Non-Hazardous Soil		0 0 1	D T	0 0 2	0 CY
b.					
c.					
d.					

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None
SITE INFO:
SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: ON BEHALF OF CAPO USD MARK STROCKIS
Signature: [Signature]
Month Day Year: 7 12 1998

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JAMES A. JONES
Signature: [Signature]
Month Day Year: 10 21 1998

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]

19. Discrepancy Indication Space

GH98-848

TICKET # 9305

TONS 24.32

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name: [Blank]
Signature: [Signature]
Month Day Year: 7 21 98

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of

848-8

3. Generator's Name and Mailing Address

CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA

Approval GH98-848

4. Generator's Phone (949) 489-7369

5. Transporter 1 Company Name

NIC McDONALD

6. US EPA ID Number

N/A

A. Transporter's Phone

909-877-3234

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407

10. US EPA ID Number

C. Facility's Phone

909-887-9471

11. Waste Shipping Name and Description

Non-Hazardous Soil

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Val

0 0 1 DT 0 0 0 2 0 CY

D. Additional Descriptions for Materials Listed Above

Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above

01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information

None

SITE INFO:

SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

ON BEHALF OF CAPO USD MARK STROCKII

Signature

[Signature]

Month Day Year

1 7 12 19 98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

NIC McDONALD

Signature

[Signature]

Month Day Year

10 22 19 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GH98-848

TICKET # ~~2472~~ 9306 TONS 24.22

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY

Printed/Typed Name

Signature

[Signature]

Month Day Year

17 21 98

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N/A

Manifest Document No.

2. Page 1 of **848-10**

3. Generator's Name and Mailing Address
**CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO, SAN JUAN CAPISTRANO, CA**

Approval **GH98-848**

4. Generator's Phone (**949**) **489-7369**

5. Transporter 1 Company Name
6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
**CDE Glen Helen Soil Recycling Facility
Glen Helen Regional Park, Devore, CA 92407**

C. Facility's Phone

909-887-9471

11. Waste Shipping Name and Description

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Val

a. **Non-Hazardous Soil**

0 0 1 D T 0 0 0 2 0 C Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above
Petroleum Contaminated Soil

E. Handling Codes for Wastes Listed Above
01- Recycle (Asphalt Production)

15. Special Handling Instructions and Additional Information
None **SITE INFO:**
SITE CONTACT:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name **ON BEHALF of CAPISTRANO UNIFIED SCHOOL DISTRICT** Signature *[Signature]* Month Day Year **1 21 98**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **PABLO MENDOZA** Signature *[Signature]* Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year **1 21 98**

19. Discrepancy Indication Space
GH98-848 **TICKET # 9307** **TONS 24.77**

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

CDE GLEN HELEN SOIL RECYCLING FACILITY
Printed/Typed Name Signature *[Signature]* Month Day Year **1 21 98**

ORIGINAL - RETURN TO GENERATOR

GENERATOR
TRANSPORTER
FACILITY

SITE ASSESSMENT REPORT

AND

REMEDIAL ACTION PLAN

For

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 Victoria Boulevard
Capistrano Beach, California**

August 6, 1990

By

**HEKIMIAN & ASSOCIATES, INC.
16571 Gemini Lane
Huntington Beach, California 92647**

HEKIMIAN & ASSOCIATES, INC.

ENVIRONMENTAL ENGINEERS / CONTRACTORS
CA CONTRACTOR'S LICENSE #500563

16571 Gemini Lane
Huntington Beach, CA 92647
(714) 841-6288
FAX (714) 848-2603

FILE NO. 1551S
August 6, 1990

COUNTY OF ORANGE HEALTH CARE AGENCY
Hazardous Materials Management Division
LUFT Program
P.O. Box 355
Santa Ana, CA 92702

Attention: Mr. James C. Strozier

Subject: **SITE ASSESSMENT REPORT AND REMEDIAL ACTION PLAN FOR
CAPISTRANO UNIFIED SCHOOL DISTRICT, 26126 VICTORIA
BOULEVARD, CAPISTRANO BEACH, CALIFORNIA**

Reference : (1) Site Assessment Plan Submitted to OCHCA for the Subject Site, May 29,
1990.

Dear Mr. Strozier:

This letter constitutes the Site Assessment Report and Remedial Action Plan for the
subject site of Capistrano Unified School District.

BACKGROUND

Hekimian & Associates, Inc. (HAI) was engaged by Capistrano Unified School District (CUSD) to perform a site assessment for the gasoline/diesel contamination founded at the subject site. The contamination was determined to be the result of leaking product line and over spills from the former diesel tank which had been used as gasoline storage tank. A Site Assessment Plan (reference 1) was submitted to the Orange County Health Care Agency LUFT Program proposing vertical borings to characterize and define the extent of contamination. The plan was discussed in details with you and Mr. Ed Rooney of the CUSD.

HAI performed soil sampling boring on June 14, 1990. Notification was given to you 48 hours before the commencement of the field work. A total of five (5) vertical borings were performed in the vicinity of the former diesel tank location. Boring B-1 was made in the

August 6, 1990

middle of the former tank pit and the rest of the borings were made about 10 feet from Boring B-1 in all directions. Boring B-1 was drilled to 40 feet below grade and the rest of the boring were all terminated at 30 feet below grade. Figure 1 shows the location of the borings and the site arrangement. Please note that the distance between the former diesel tank pit and the two (2) existing underground storage tanks is closer than the distance shown in the drawings provided by the OCHCA.

SOIL SAMPLING BORING PROTOCOL

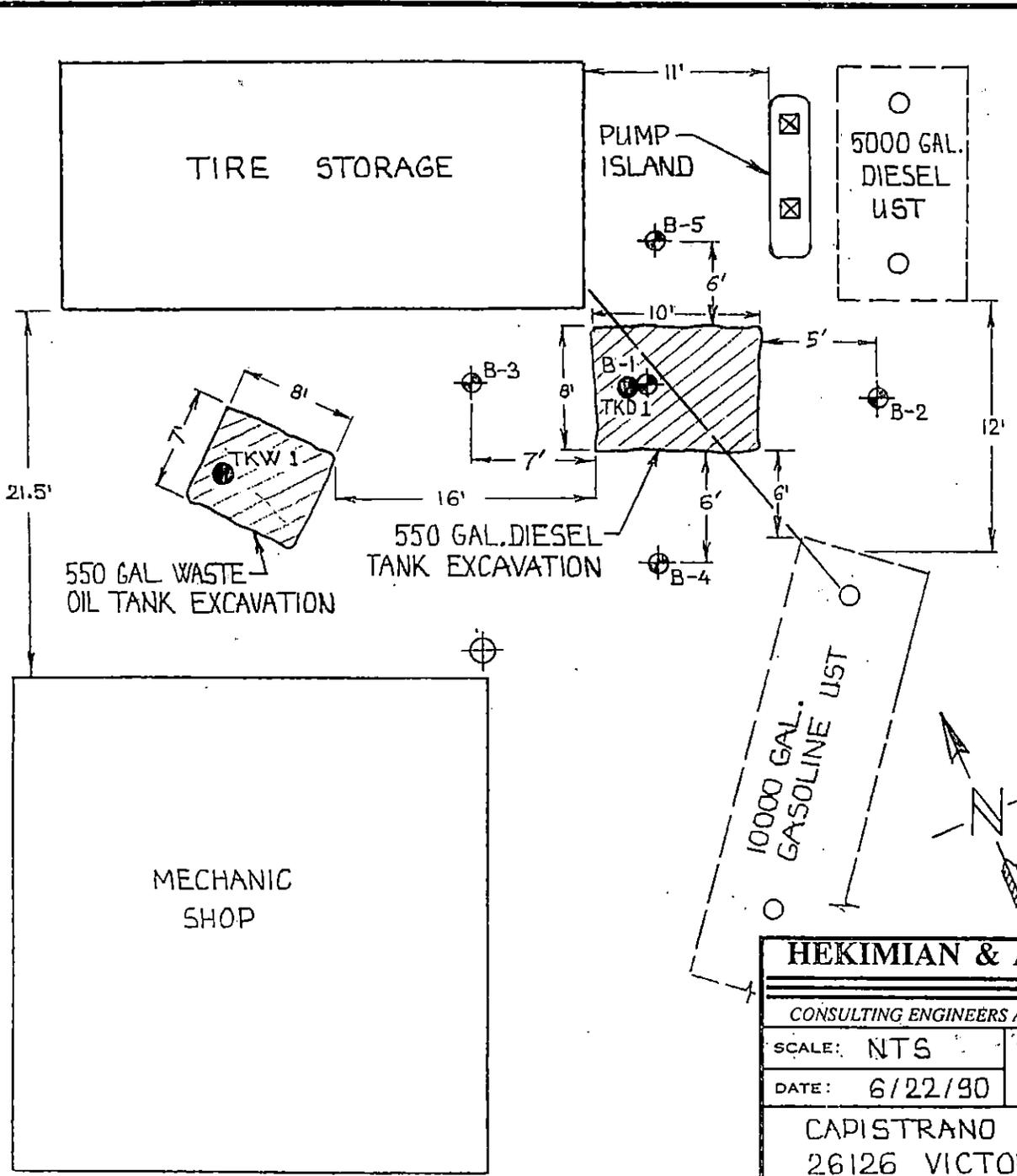
Eight-inch diameter hollow stem augers were used together with a California split spoon sampler. The sampler and the sampling sleeves were washed in TSP solution, and alcohol, and rinsed with distilled water before each use to prevent cross-contamination. Soil samples from every five feet were tested on site using an Organic Vapor Analyzer (OVA) to determine the relative levels of contamination. Duplicate samples at each level were also immediately capped in the sampling tube, sealed, marked to identify the sample and placed into a chilled container for transport to a State-certified laboratory for testing, using an appropriate chain-of-custody form.

LABORATORY ANALYSIS PROTOCOL

Soil samples were analyzed for TPH-diesel (8015E), TPH-gasoline (8015M) and BTEX (8020) by a California Department of Health Services certified laboratory. As instructed by you, adequate numbers of samples from each borings were tested in order to determine the vertical extent of the contamination.

RESULTS OF FIELD AND LABORATORY TESTING

Tables 1 and 2 depicts the results of the field and laboratory testings of the soil samples taken from the borings. Laboratory reports, chain-of-custody forms and boring logs are presented in the attachment.



LEGENDS:

- TANK REMOVAL SAMPLE
- ⊕ LOCATION OF BORING COMPLETED
- ⊕ PROPOSED ADDITIONAL BORING LOCATION

HEKIMIAN & ASSOCIATES, INC.		16571 Gemini Lane Huntington Beach, CA 92647	
CONSULTING ENGINEERS AND ENVIRONMENTAL PLANNERS		(714) 841-6288 FAX (714) 848-2603	
SCALE: NTS	APPROVED BY:	DRAWN BY V.S.	
DATE: 6/22/90		REVISED	
CAPISTRANO UNIFIED SCHOOL DISTRICT 26126 VICTORIA BLVD., CAPISTRANO, CA			
SITE ARRANGEMENT AND BORING LOCATIONS		DRAWING NUMBER FIGURE 1	

August 6, 1990

TABLE 1
SOIL SAMPLE TEST RESULTS
TPH, mg/Kg

DEPTH	B-1 OVA/GAS./ DIESEL	B-2 OVA/GAS./ DIESEL	B-3 OVA/GAS./ DIESEL	B-4 OVA/GAS./ DIESEL	B-5 OVA/GAS./ DIESEL
5	4K+/-- --	50/--/--	40/--/--	75/--/--	40/--/--
10	4K+/--/--	50/--/--	30/--/--	30/--/--	50/--/--
15	4K+/--/--	30/--/--	275/--/--	50/--/--	30/--/--
20	4K+/1900/3100	40/1/ND	800/30/9	1900/--/--	260/--/--
25	120/5/ND	20/--/--	70/17/72	4K+/13/4	160/6/4
30	20/--/--	20/--/--	ND/--/--	20/2/ND	ND/--/--
35	35/--/--				
40	55/--/--				

Note = Gasoline was analyzed by EPA 8015 headspace.
Diesel was analyzed by EPA 8015E extraction.

TABLE 2
AROMATIC VOLATILE HYDROCARBONS
BTEX, mg/Kg

SAMPLE I.D.	BENZENE	TOLUENE	E. BENZENE	XYLENE
B-1-20	21	190	55	420
B-1-25	0.2	0.1	ND	ND
B-1-30	ND	ND	ND	ND
B-2-20	ND	ND	ND	ND
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-3-30	ND	ND	ND	ND
B-4-25	0.2	0.5	0.3	0.3
B-4-30	ND	ND	ND	ND
B-5-25	0.1	0.2	ND	0.2
B-5-30	ND	ND	ND	ND

August 6, 1990

RESULTS EVALUATION

The data in Tables 1 & 2 indicate that the contaminants are gasoline and diesel. Slight amounts of aromatic volatile hydrocarbons (BTEX) were also detected in some of the soil samples taken. It is also indicated that the identified contamination is around Boring B-1 location which is the immediate location of the former diesel/gasoline tank. Figure 2 shows a vertical profile of the contamination.

The vertical extent of the contamination has been defined by B-1. There are insignificant levels of TPHs (diesel & gasoline) and minimal amounts of BTEX at 25 feet below grade. The BTEX levels reached non-detected levels at 30 feet. The field and laboratory testing of the samples from the rest of the borings also indicate that insignificant levels of TPH at 25 feet and non-detected levels of BTEX at 30 feet.

Note that Borings B-2, B-3, B-4 and B-5 show insignificant levels of both TPH and BTEX. Therefore, the extent of the contamination plume is adequately defined. The contamination is limited to the immediate vicinity of B-1 from the surface to between 20 and 25 ft below grade.

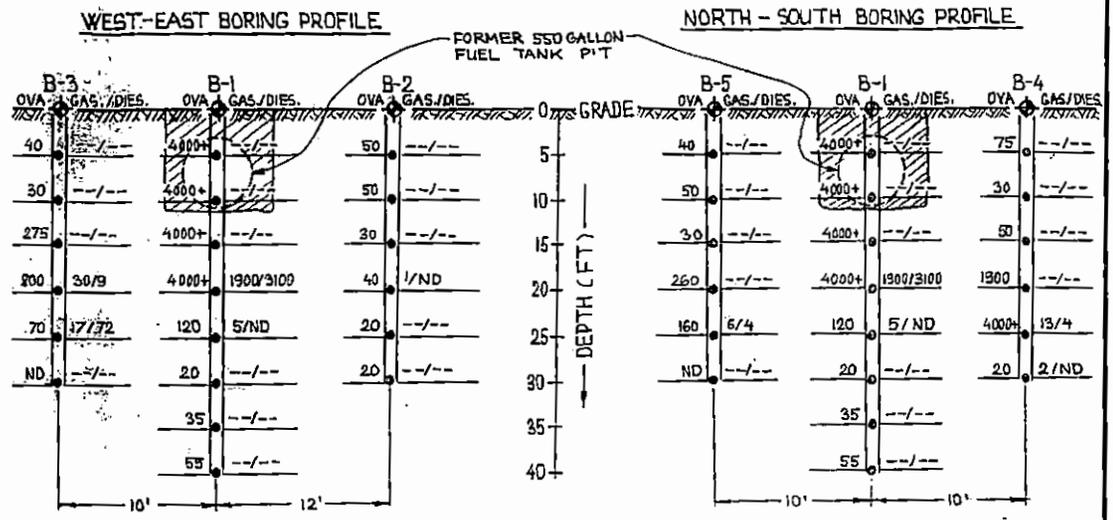
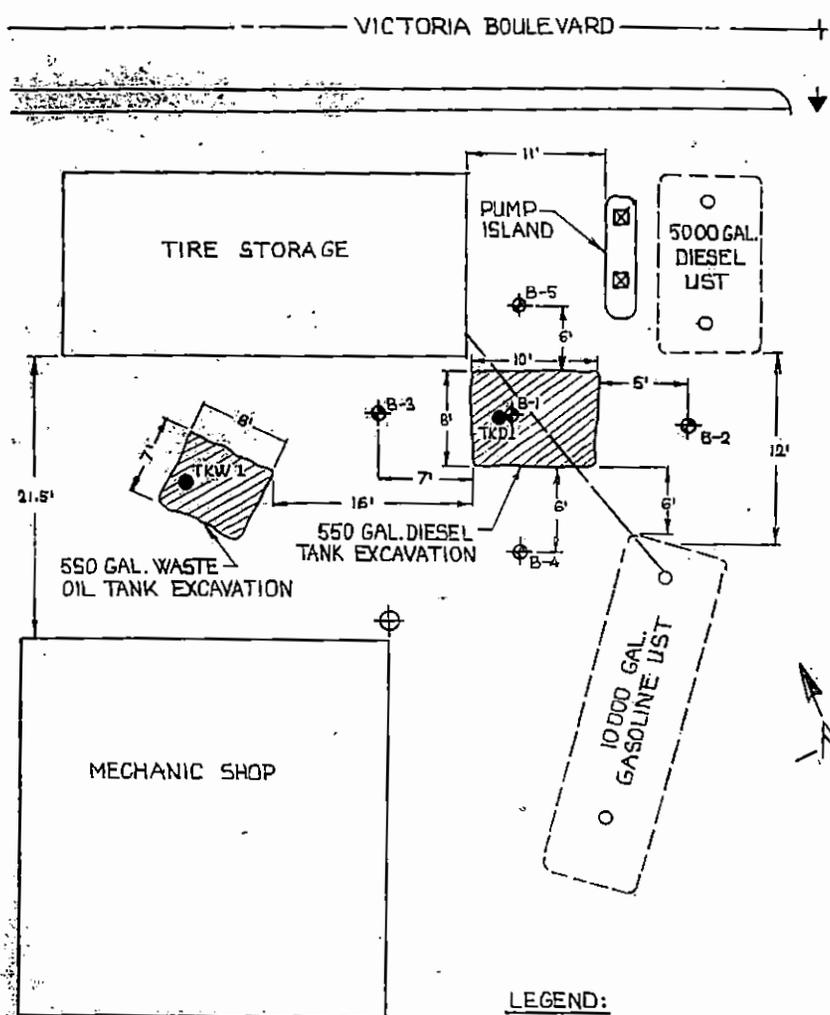
It is indicated that the most efficient remediation method is localized excavation.

REQUIREMENTS FOR FURTHER WORK

It is understood that OCHCA requires installation of one (1) groundwater monitoring well at the northeast corner of the mechanic shop to establish the groundwater depth at the subject site. This location is also a downgradient location from the contamination area. A groundwater sample is to be taken from the well and tested for TPH and BTEX to determine if the groundwater has been impacted.

The excavation operation will be guided by using an Organic Vapor Analyzer (OVA). Soil sample from every backhoe bucket will be examined and tested for the level of contamination. Suspected contaminated soil will be taken out of the hole until the soil sample is detected clean by the OVA. The OCHCA will be notified to witness verification sampling from the sidewalls and the bottom of the excavation to insure the completeness of the cleanup. Soil samples will be tested by ENSECO, a State-certified laboratory, using appropriate EPA methods for TPH-diesel, TPH-gasoline and BTEX.

Contaminated spoils piles will be placed on impermeable plastic and covered with plastic as required by the South Coast Air Quality Management District (SCAQMD). Soil samples will be obtained for testing to determine the disposition of the soil (Class I, Class II or Class III Landfill).



AROMATIC VOLATILE HYDROCARBONS (BTEX, mg/kg)

SAMPLE I.D.	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE
B-1-20	21	190	55	420
B-1-25	0.2	0.1	ND	ND
B-1-30	ND	ND	ND	ND
B-2-20	ND	ND	ND	ND
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-3-30	ND	ND	ND	ND
B-4-25	0.2	0.5	0.3	0.3
B-4-30	ND	ND	ND	ND
B-5-25	0.1	0.2	ND	0.2
B-5-30	ND	ND	ND	ND

LEGEND:

- TANK REMOVAL SAMPLE
 - ⊙ LOCATION OF BORING COMPLETED
 - ⊕ PROPOSED ADDITIONAL BORING LOCATION
- OVA | GAS./DIES. OVA (ppm); GASOLINE (mg/kg) / DIESEL (mg/kg)

THE KIMMEL & ASSOCIATES, INC.
 16571 Gemini Lane
 Huntington Beach, CA 92647
 (714) 841-6288
 FAX (714) 848-2603

CONSULTING ENGINEERS AND ENVIRONMENTAL PLANNERS

SCALE: IN/AS APPROVED BY: _____
 DATE: 6/25/90 DRAWN BY: V.S.
 REVISED

CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BLVD., CAPISTRANO, CA

BORING PROFILES DRAWING NUMBER
 FIGURE 2

August 6, 1990

HAI has a blanket permit (No. A/N 221833) from the SCAQMD for handling of up to 2,000 cubic yards of volatile organics. Also, HAI intends to use the LUFT Manual to establish the maximum allowable levels of BTEX that can be left in place without threatening the groundwater table. A groundwater sampling well must be installed and is proposed in the vicinity of the contaminated zone to check the site specific groundwater table depth in order to apply the General Risk Appraisal procedures outlined in the LUFT Manual.

CONCLUSION

All site assessment soil sampling were performed in accordance with the requirements of the OCHCA and under the supervision of a registered civil engineer.

The vertical and horizontal extent of the contamination have been adequately defined. HAI proposes to perform remediation by excavation and disposal, excavating in depth and all directions until soil samples report below the required clean up level.

HAI appreciates your speedy review of this report and plan so that the field work can be scheduled as soon as possible. Should you have further questions, please contact us at your convenience.

Very truly yours,

HEKIMIAN & ASSOCIATES, INC.


Kenneth K. Hekimian, Ph.D., P.
President



KKH/SLK/stb

Attachments.

cc. Mr. Ed Rooney, Capistrano USD

ATTACHMENTS

Laboratory Reports

Chain-of-Custody Forms

Boring Logs

Laboratory Report

HEKIMIAN & ASSOCIATES, INC.
16571 GEMINI LANE
HUNTINGTON BEACH, CA 92647
ATTN: MR. STAN KATTEN

Analysis No.: L-9017803-001/003
Date Sampled: 14-JUN-1990
Date Sample Rec'd: 15-JUN-1990
Date Analyzed: 27-JUN-1990
Sample Type: SOLID

Project: (1551S) CAPISTRANO U.S.D.

Sample ID	Benzene mg/kg EPA 8020	Toluene mg/kg EPA 8020	Ethyl Benzene mg/kg EPA 8020	Xylenes, Total mg/kg EPA 8020
B-1-30'	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
B-3-30'	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
B-5-30'	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Blank	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)

Laboratory Report

HEKIMIAN & ASSOCIATES, INC.
 16571 GEMINI LANE
 HUNTINGTON BEACH, CA 92647
 ATTN: MR. STAN KATTEN
 Project: (1551S) CAPISTRANO U.S.D.

Analysis No.: L-9017803-001/003
 Date Sampled: 14-JUN-1990
 Date Sample Rec'd: 15-JUN-1990
 Sample Type: SOLID

Matrix Spike/Matrix Spike Duplicate Report

Sample Number	Parameter (Method)	Units	Observed Concentration			Amt. Spiked	% Recovery			% RPD
			Sample	MS	MSD		MS	MSD	Avg.	
9017107-001	TOLUENE (EPA 8020)	mg/kg	0	76	78	100	76	78	77	3
017107-001	ETHYL BENZENE (EPA 8020)	mg/kg	0	82	80	100	82	80	81	3
017107-001	XYLENES, TOTAL (EPA 8020)	mg/kg	0	85	81	100	85	81	83	5

Matrix Spike/Matrix Spike Duplicate Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
9017107-001	27-JUN-1990	TOLUENE (EPA 8020)	L-9017803-001
			L-9017803-002
			L-9017803-003
		ETHYL BENZENE (EPA 8020)	L-9017803-001
			L-9017803-002
			L-9017803-003
		XYLENES, TOTAL (EPA 8020)	L-9017803-001
			L-9017803-002
			L-9017803-003

Enseco - CRL

7440 Lincoln Way • Garden Grove, CA 92641
(714) 898-6370 • (213) 598-0458 • (800) LAB-1-CRL
FAX: (714) 891-5917

22-JUN-90

HEKIMIAN & ASSOCIATES, INC.
16571 GEMINI LANE
HUNTINGTON BEACH, CA 92647
ATTN: MR. STAN KATTEN

Analysis No.: L-9016619-001/008
Date Sampled: 14-JUN-1990
Date Sample Rec'd: 15-JUN-1990
Project: (1551S) CAPISTRANO USD

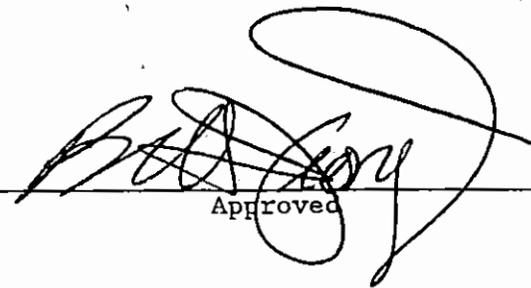
Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: L-9016619-001/008 shown above.

The samples were received by CRL in a chilled state, intact and with the chain-of-custody record attached.

Please note that ND() means not detected at the detection limit expressed within the parentheses.

Solid samples are reported on "as received" basis.



Reviewed

Approved

The Report Cover Letter is an integral part of this report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purposes without authorization is prohibited.

Laboratory Report

HEKIMIAN & ASSOCIATES, INC.
16571 GEMINI LANE
HUNTINGTON BEACH, CA 92647
ATTN: MR. STAN KATTEN

Analysis No.: L-9016619-001/008
Date Sampled: 14-JUN-1990
Date Sample Rec'd: 15-JUN-1990
Date Analyzed: 18-JUN-1990
Sample Type: SOLID

Project: (1551S) CAPISTRANO USD

Sample ID	TPH, Extractable mg/kg DHS	TPH, Volatile mg/kg DHS
B-1-20	3,100.**	1,900.*
B-1-25	ND(1)	5.
B-2-20	ND(1)	1.
B-3-20	9.***	30.
B-3-25	72.***	17.
B-4-25	4.***	13.
B-4-30	ND(1)	2.
B-5-25	4.***	6.
Blank	ND(1)	ND(1)

* NOTE: CHROMATOGRAPHIC FINGERPRINT INDICATES PRESENCE OF HYDROCARBONS ELUTING WITHIN AND AFTER THE RANGE OF GASOLINE. QUANTITATION BASED UPON GASOLINE STANDARD.

** NOTE: CHROMATOGRAPHIC FINGERPRINT ELUTING IN THE RANGE OF GASOLINE TO DIESEL. QUANTITATION BASED UPON DIESEL STANDARD.

*** NOTE: CHROMATOGRAPHIC FINGERPRINT MOST CLOSELY MATCHES THAT OF GASOLINE FUEL. QUANTITATION BASED UPON GASOLINE STANDARD.

Laboratory Report

HEKIMIAN & ASSOCIATES, INC.
16571 GEMINI LANE
HUNTINGTON BEACH, CA 92647
ATTN: MR. STAN KATTEN

Analysis No.: L-9016619-001/008
Date Sampled: 14-JUN-1990
Date Sample Rec'd: 15-JUN-1990
Date Analyzed: 19-JUN-1990
18-JUN-1990
Sample Type: SOLID

Project: (1551S) CAPISTRANO USD

Sample ID	Benzene mg/kg EPA 8020	Toluene mg/kg EPA 8020	Ethyl Benzene mg/kg EPA 8020	Xylenes, Total mg/kg EPA 8020
B-1-20	21.	190.	55.	420.
B-1-25	0.2	0.1	ND(0.2)	ND(0.2)
B-2-20*	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-4-25*	0.2	0.5	0.3	0.3
B-4-30	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
B-5-25	0.1	0.2	ND(0.1)	0.2
Blank	ND(2.)	ND(2.)	ND(2.)	ND(2.)

* NOTE: HIGHER DETECTION LIMIT DUE TO SAMPLE MATRIX.

Laboratory Report

HEKIMIAN & ASSOCIATES, INC.
 16571 GEMINI LANE
 HUNTINGTON BEACH, CA 92647
 ATTN: MR. STAN KATTEN
 Project: (1551S) CAPISTRANO USD

Analysis No.: L-9016619-001/008
 Date Sampled: 14-JUN-1990
 Date Sample Rec'd: 15-JUN-1990
 Sample Type: SOLID

Matrix Spike/Matrix Spike Duplicate Report

Sample Number	Parameter (Method)	Units	Observed Concentration			Amt. Spiked	% Recovery			% RPD
			Sample	MS	MSD		MS	MSD	Avg.	
9016620-002B	TPH, EXTRACTABLE (DHS)	mg/kg	0	76	71	100	76	71	74	7
9016620-002A	TPH, EXTRACTABLE (DHS)	mg/kg	0	97	98	100	97	98	98	1
9016619-007	TOLUENE (EPA 8020)	mg/kg	0	69	77	100	69	77	73	11
9016421-014	TOLUENE (EPA 8020)	mg/kg	0	71	64	100	71	64	68	10
9016619-007	ETHYL BENZENE (EPA 8020)	mg/kg	0	71	80	100	71	80	76	12
9016421-014	ETHYL BENZENE (EPA 8020)	mg/kg	0	73	66	100	73	66	70	10
9016619-007	XYLENES, TOTAL (EPA 8020)	mg/kg	0	72	82	100	72	82	77	13
9016421-014	XYLENES, TOTAL (EPA 8020)	mg/kg	0	73	66	100	73	66	70	10

Matrix Spike/Matrix Spike Duplicate Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
9016421-014	18-JUN-1990	TOLUENE (EPA 8020)	L-9016619-002
			L-9016619-003
		ETHYL BENZENE (EPA 8020)	L-9016619-002
			L-9016619-003
9016619-007	19-JUN-1990	XYLENES, TOTAL (EPA 8020)	L-9016619-002
			L-9016619-003
		TOLUENE (EPA 8020)	L-9016619-001
			L-9016619-004
9016619-007	19-JUN-1990		L-9016619-005
			L-9016619-006
			L-9016619-007
			L-9016619-008
		ETHYL BENZENE (EPA 8020)	L-9016619-001
			L-9016619-004
			L-9016619-005
			L-9016619-006
			L-9016619-007
			L-9016619-008
			L-9016619-001
			L-9016619-004
	L-9016619-005		
	L-9016619-006		
	L-9016619-007		
	L-9016619-008		
9016620-002A	18-JUN-1990	TPH, EXTRACTABLE (DHS)	L-9016619-002
9016620-002B	18-JUN-1990	TPH, EXTRACTABLE (DHS)	L-9016619-001
			L-9016619-003
			L-9016619-004
			L-9016619-005
			L-9016619-006
			L-9016619-007
			L-9016619-008
			L-9016619-008

Laboratory Report

HEKIMIAN & ASSOCIATES, INC.

16571 GEMINI LANE

HUNTINGTON BEACH, CA 92647

ATTN: MR. STAN KATTEN

Project: (1551S) CAPISTRANO USD

Analysis No.: L-9016619-001/008

Date Sampled: 14-JUN-1990

Date Sample Rec'd: 15-JUN-1990

Sample Type: SOLID

Laboratory Control Sample Report

QC Batch	Parameter (Method)	Amt. Spiked	Units	Avg. Spike Recov.	Acceptable Range	Rel. Pct. Diff.	Acceptable Range
L90169003	TPH, VOLATILE (DHS)	100	mg/kg	100.	70-130	5.	40

Laboratory Control Sample Report Cross-Reference

QC Batch	Date	Parameter (Method)	Sample Nos.
L90169003	18-JUN-1990	TPH, VOLATILE (DHS)	L-9016619-002 L-9016619-003 L-9016619-004 L-9016619-005 L-9016619-006 L-9016619-007 L-9016619-008



- 7440 Lincoln Way, Garden Grove, CA 92641, (714) 898-6370
- 2810 Bunsen Ave., Unit A Ventura, CA 93003, (805) 650-0546
- 2325 Skyway Dr., Unit K, Santa Maria, CA 93455, (805) 922-2776
- 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442-8400
- Mobile Labs, (800) ENSECO-8

Date 6-15-90 Page 1 of 3

Lab Number L-9016619

CLIENT <u>Hekimian & Assoc. Inc.</u> ADDRESS <u>16571 Gemini Ln</u> <u>Huntington Bch., CA 92647</u> PROJECT NAME <u>Capistrano USD, 1551S</u> CONTRACT / PURCHASE ORDER / QUOTE # _____	PROJECT MANAGER <u>Stan Katten</u> PHONE NUMBER <u>(714) 841-6288</u> SITE CONTACT _____	ANALYSES <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015M</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8015E</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8020 BTEX</div> </div>
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Sample No. / Identification	Date	Time	Lab Sample Number	SAMPLE TYPE			No. of Containers				Sample Condition/REMARKS
				LIQ.	AIR	SOLID					
B-1-5	6/14	7am				x	1	Hold			
B-1-10	6/14	7:15				x	1	Hold			
B-1-15	6/14	7:30				x	1	Hold			
B-1-20	6/14	7:45				x	1	✓	✓	✓	
B-1-25	6/14	8:00				x	1	✓	✓	✓	
B-1-30	6/14	8:25				x	1	Hold			
B-1-35	6/14	8:30				x	1	Hold			
B-1-40	6/14	8:45				x	1	Hold			

SAMPLERS: (Signature) 	Received by: (Signature) 	Date _____	Time _____	The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Enseco Terms and Conditions, unless a contract or purchase order has been executed and is cited above.			
Relinquished by: (Signature) 	Received by: (Signature) 	Date <u>6/15/90</u>	Time <u>5:20</u>				
Relinquished by: (Signature) 	Date <u>6/15/90</u>	Time <u>6:00</u>	Received for Laboratory by: 	Date RECEIVED <u>6-15-90</u>	Time <u>1800</u>	Date ACCEPTED _____	Time _____
Method of Shipment: _____				SAMPLE DISPOSITION: 1. Storage time requested: _____ days (Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.) 2. Sample to be returned to client: Y N (Enseco will dispose of unreturned samples at no extra charge. Disposal will be by incineration wherever possible; otherwise, as appropriate, according to legal requirements.)			
Special Instructions: <u>5-days</u> <u>at his TAT. Result via fax (Fax)</u>							



- 7440 Lincoln Way, Garden Grove, CA 92641, (714) 898-6370
- 2810 Bunsen Ave., Unit A Ventura, CA 93003, (805) 650-0546
- 2325 Skyway Dr., Unit K, Santa Maria, CA 93455, (805) 922-2776
- 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442-8400
- Mobile Labs, (800) ENSECO-8

Date 6-15-90 Page 2 of 3
 Lab Number 9016619

CLIENT <u>Hekimian & Assoc. Inc</u>	PROJECT MANAGER <u>Stan Katten</u>
ADDRESS _____	ANALYSES 8015M 8015E 8020 BTEX
PROJECT NAME <u>Capistrano USD, 1551S</u>	
CONTRACT / PURCHASE ORDER / QUOTE # _____	
	PHONE NUMBER <u>(714) 841-6288</u>
	SITE CONTACT _____

Sample No. / Identification	Date	Time	Lab Sample Number	SAMPLE TYPE			No. of Containers				Sample Condition/REMARKS
				LIQ.	AIR	SOLID					
B-2-5	6/14	9:30				X	1	Hold			
B-2-10	6/14	9:45				X	1	Hold			
B-2-15	6/14	9:50				X	1	Hold			
B-2-20	6/14	10:00				X	1	✓ ✓ ✓			
B-2-25	6/14	10:10				X	1	Hold			
B-2-30	6/14	10:20				X	1	Hold			
B-3-5	6/14	10:45				X	1	Hold			
B-3-10	6/14	11:00				X	1	Hold			
B-3-15	6/14	11:15				X	1	Hold			
B-3-20	6/14	11:25				X	1	✓ ✓ ✓			
B-3-25	6/14	11:35				X	1	✓ ✓ ✓			
B-3-30	6/14	11:45				X	1	Hold			

SAMPLERS: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date	Time	The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Enseco Terms and Conditions, unless a contract or purchase order has been executed and is cited above.
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date	Time	
Relinquished by: (Signature) <u>[Signature]</u>	Date	Time	Received for Laboratory by: <u>[Signature]</u>	

Method of Shipment: _____	SAMPLE DISPOSITION: 1. Storage time requested: _____ days (Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.) 2. Sample to be returned to client: . Y N (Enseco will dispose of unreturned samples at no extra charge. Disposal will be by incineration wherever possible; otherwise, as appropriate, according to legal requirements.)
Special Instructions: <u>5 days TAT Fax Result</u>	



- 2610 Bunsen Ave., Unit A Ventura, CA 93003, (805) 650-0546
- 2325 Skyway Dr., Unit K, Santa Maria, CA 93455, (805) 922-2776
- 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442-8400
- Mobile Labs, (800) ENSECO-8

N O JUST REC
 Date 6/15/90 Page 3 of 3
 Lab Number 9016619

CLIENT <u>Heikman & Assoc. Inc.</u>	PROJECT MANAGER <u>Stan Katten</u>	
ADDRESS _____	ANALYSES 8015M 8015E 8020 BTGX	
PROJECT NAME <u>Capistrano USD 1551S</u>		PHONE NUMBER <u>(714) 241-6288</u>
CONTRACT / PURCHASE ORDER / QUOTE # _____		SITE CONTACT _____

Sample No. / Identification	Date	Time	Lab Sample Number	SAMPLE TYPE			No. of Containers				Sample Condition/REMARKS
				LIQ.	AIR	SOLID					
B-4-5	6/14					X	1	Hold			
B-4-10	6/14					X	1	Hold			
B-4-15	6/14					X	1	Hold			
B-4-20	6/14					X	1	Hold			
B-4-15	6/14					X	1	✓	✓	✓	
B-4-30	6/14					X	1	✓	✓	✓	
B-5-5	6/14					X	1	Hold			
B-5-10	6/14					X	1	Hold			
B-5-15	6/14					X	1	Hold			
B-5-20	6/14					X	1	Hold			
B-5-15	6/14					X	1	✓	✓	✓	
B-5-30	6/14					X	1	Hold			

SAMPLERS: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date	Time	The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Enseco Terms and Conditions, unless a contract or purchase order has been executed and is cited above.
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6/15/90</u>	Time <u>5:20</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Received for Laboratory by: <u>[Signature]</u>	Date <u>6-15-90</u>	Time <u>1:00</u>	
Method of Shipment:	Special Instructions: <u>5 days TAT. Fax Result</u>			SAMPLE DISPOSITION: 1. Storage time requested: _____ days (Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.) 2. Sample to be returned to client: Y N (Enseco will dispose of unreturned samples at no extra charge. Disposal will be by incineration wherever possible; otherwise, as appropriate, according to legal requirements.)

CLIENT: CAPISTRANO USD

PROJECT NO: 1551S

LOCATION: 26126 Victoria Blvd., Capistrano Beach

BORING NO: B-1

Directional: Vertical

Casing Diam: _____

Drilling Co: ABC

Hole Size: 8 inches

Depth to Water: >40'

Driller: Bill

Total Depth: 40 ft

Perforations: _____

Rig #/Type: CME 75

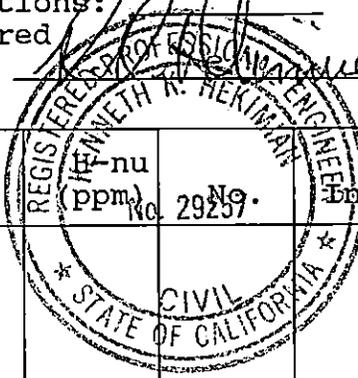
No. of Samples: 8

Registered _____

Date(s) Sampled: 6-14-90

Signed: [Signature]

Page 1 of 1



Depth	Symbol	Description	nu (ppm)	No.	Int.	Blow Count	Misc.
0 -		Backfill					
5 -	CL	Silty clay with fine sand, dark gray, damp, medium plastic, moderate gasoline odor	4000+	5	5	2/3/3	
10 -	CL	Silty clay, dark grey, damp, plastic, moderate gasoline odor	4000+	10	5	3/7/9	
15 -	CL	Clay, dark brown, damp, plastic, moderate gasoline odor	4000+	15	5	6/11/13	
20 -	CL	Clayey sand, tan brown, damp, medium plastic, slight gasoline odor	4000+	20	5	3/6/9	
25 -	CL	Clay, gray brown, damp, plastic, faint odor	120	25	5	3/6/9	
30 -	CL	Dense clay, brown, damp slight plastic, no odor	20	30	5	5/10/15	
35 -	CL	Clay, dark gray, damp, slightly plastic, no odor	35	35	5	6/10/18	
40 -	CL	Clayey silt, dark gray, damp, slightly plastic, no odor	55	40	5	13/15/25	
45 -							

CLIENT: CAPISTRANO USD

PROJECT NO: 1551S

LOCATION: 26126 Victoria Blvd., Capistrano Beach

BORING NO: B-2

Directional: Vertical

Casing Diam: _____

Drilling Co: ABC

Hole Size: 8 inches

Depth to Water: >40'

Driller: Bill

Total Depth: 30 ft

Perforations: _____

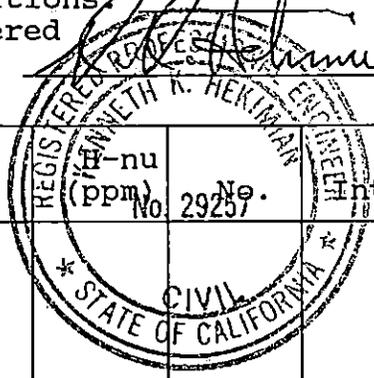
Rig #/Type: CME 75

No. of Samples: 6

Registered _____

Date(s) Sampled: 6-14-90

Signed: [Signature]



Depth	Symbol	Description	SP-100 (ppm)	SP-200 (ppm)	Int.	Blow Count	Misc.
0 -		Concrete					
5 -	CL	Silty clay with sand, dark gray, damp, medium plastic, no odor	50	5	5	2/3/7	
10 -	CL	Silty clay with sand, dark gray, damp, medium plastic, no odor	50	10	5	5/7/8	
15 -	CL	Clayey sand, gray brown medium plastic, no odor	30	15	5	13/16/18	
20 -	CL	Clayey sand, gray brown medium plastic, no odor	40	20	5	10/12/15	
25 -	CL	Dense clay, gray brown, damp, slightly plastic, no odor	20	5	5	12/15/19	
30 -	CL	Dense clay, gray brown, damp, slightly plastic, no odor	20	30	5	10/10/12	
35 -							
40 -							
45 -							

CLIENT: CAPISTRANO USD

PROJECT NO: 1551S

LOCATION: 26126 Victoria Blvd., Capistrano Beach

BORING NO: B-3

Directional: Vertical

Casing Diam: _____

Drilling Co: ABC

Hole Size: 8 inches

Depth to Water: >40'

Driller: Bill

Total Depth: 30 ft

Perforations: _____

Rig #/Type: CME 75

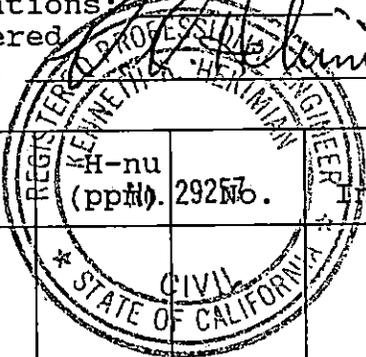
No. of Samples: 6

Registered _____

Date(s) Sampled: 6-14-90

Signed: [Signature]

Page 1 of 1



Depth	Symbol	Description	H-nu (ppt)	Int.	Blow Count	Misc.
0 -		Concrete				
5 -	CL	Dense clay, gray brown, damp, slightly plastic, no odor	40	5	5	7/8/10
10 -	CL	Dense clay, dark brown, dry, slightly plastic, no odor	30	10	5	10/10/11
15 -	CL	Dense clay, dark brown, dry, slight gas odor	275	15	5	6/13/8
20 -	CL	Dense clay, dark brown, slightly plastic, slight gas odor	800	20	5	6/13/18
25 -	CL	Dense clay, brown, dry, slightly plastic, faint odor	70	5	5	6/7/11
30 -	CL	Dense clay, gray brown, damp, plastic, no odor	ND	30	5	7/7/12
35 -						
40 -						
45 -						

CLIENT: CAPISTRANO USD

PROJECT NO: 1551S

LOCATION: 26126 Victoria Blvd., Capistrano Beach

BORING NO: B-4

Directional: Vertical

Casing Diam: _____

Drilling Co: ABC

Hole Size: 8 inches

Depth to Water: >40'

Driller: Bill

Total Depth: 30 ft

Perforations: _____

Rig #/Type: CME 75

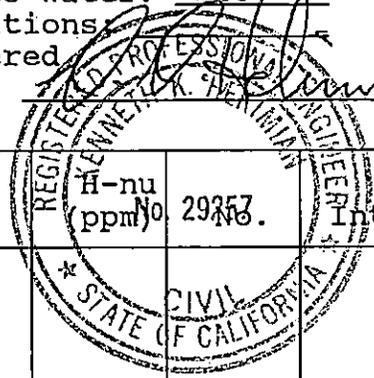
No. of Samples: 6

Registered _____

Date(s) Sampled: 6-14-90

Signed: [Signature]

Page 1 of 1



Depth	Symbol	Description	H-nu (ppm) No.	Int.	Blow Count	Misc.
0 -		Concrete				
5 -	CL	Silty clay, brown, damp, plastic, no odor	75	5	5	8/9/9
10 -	CL	Silty clay, dark brown, dry, slightly plastic, no odor	30	10	5	10/13/11
15 -	CL	Silty clay with gravel, brown, well graded, no odor	50	15	5	6/6/8
20 -	CL	Clayey sand, brown, damp, slightly plastic, faint gasoline odor	1900	20	5	10/11/13
25 -	CL	Dense clay, brown, damp, medium plastic, slight gasoline odor	4000+	25	5	11/12/14
30 -	CL	Very dense clay, dark gray, dry, no odor	20	30	5	13/19/23
35 -						
40 -						
45 -						

CLIENT: CAPISTRANO USD

PROJECT NO: 1551S

LOCATION: 26126 Victoria Blvd., Capistrano Beach

BORING NO: B-5

Directional: Vertical

Casing Diam: _____

Drilling Co: ABC

Hole Size: 8 inches

Depth to Water: >40'

Driller: Bill

Total Depth: 30 ft

Perforations: _____

Rig #/Type: CME 75

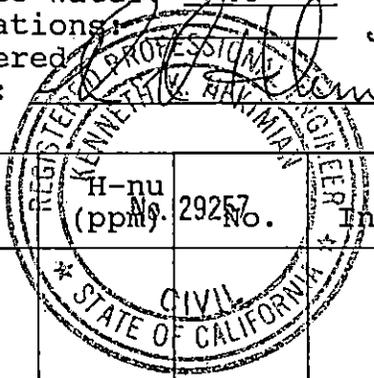
No. of Samples: 6

Registered _____

Date(s) Sampled: 6-14-90

Signed: _____

Page 1 of 1



Depth	Symbol	Description	H-nu (ppm)	No.	Int.	Blow Count	Misc.
0 -		Concrete					
5 -	CL	Silty clay, dark gray, damp, medium plastic, no odor	40	5	5	6/10/11	
10 -	CL	Silty clay, brown, damp, slightly plastic, no odor	50	10	5	14/18/22	
15 -	CL	Dense clay, gray brown, damp, slightly	30	15	5	7/11/11	
20 -	CL	Clayey sand, brown, damp, slightly plastic, faint gasoline odor	260	20	5	10/10/11	
25 -	SW	Medium sand, tan brown, moist, slight odor	160	25	5	9/9/13	
30 -	CL	Dense clay, tan brown, moist, plastic, no odor	ND	30	5	9/9/11	
35 -							
40 -							
45 -							

RECEIVED

AUG 08 1990

HEALTH CARE AGENCY
Environmental Health

SITE ASSESSMENT PLAN

For

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 Victoria Boulevard
Capistrano Beach, California 92624**

By

**HEKIMIAN & ASSOCIATES, INC.
16571 Gemini Lane
Huntington Beach, California 92647**

SITE ASSESSMENT PLAN

For

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 Victoria Boulevard
Capistrano Beach, California 92624**

By

**HEKIMIAN & ASSOCIATES, INC.
16571 Gemini Lane
Huntington Beach, California 92647**

HEKIMIAN & ASSOCIATES, INC.

ENVIRONMENTAL ENGINEERS / CONTRACTORS
CA CONTRACTOR'S LICENSE #500563

16571 Gemini Lane
Huntington Beach, CA 92647
(714) 841-6288
FAX (714) 848-2603

FILE NO. 1551S
May 29, 1990

ORANGE COUNTY HEALTH CARE AGENCY
Hazardous Materials Management Division
2000 East Edinger Avenue
Santa Ana, CA 92705

Attention: Mr. James C. Strozier, Hazardous Waste Specialist, O.C.H.C.A.

Subject: **SITE ASSESSMENT PLAN FOR CAPISTRANO UNIFIED SCHOOL DISTRICT, 26126 VICTORIA BOULEVARD, CAPISTRANO BEACH, CALIFORNIA**

Dear Mr. Strozier:

This letter constitutes the Site Assessment Plan for the subject site indicated in Figure 1.

BACKGROUND

In 1989 two 550 gallon tanks were removed from the subject site, one drain oil tank and one diesel tank. After removal of the tanks, soil samples were taken as shown in Figure 2. Laboratory results from these soil samples indicated the presence of hydrocarbon contamination as listed in Table 1 below.

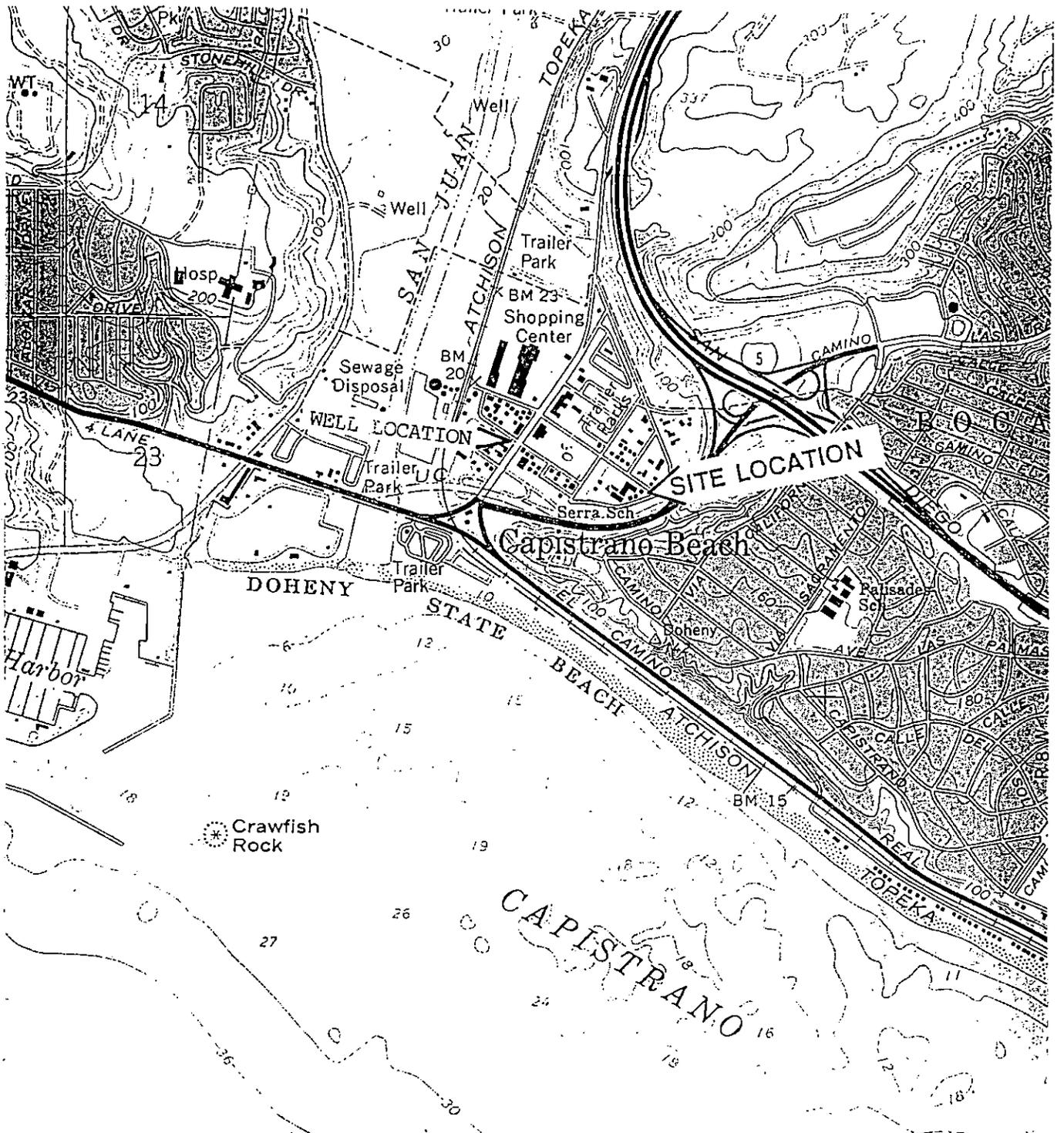
Based upon these results, both gasoline and diesel fuel contamination exist. Copies of the laboratory reports and chain-of-custody forms are included as attachments.

ASSESSMENT PLAN - PROPOSED NUMBER AND LOCATION OF BORINGS

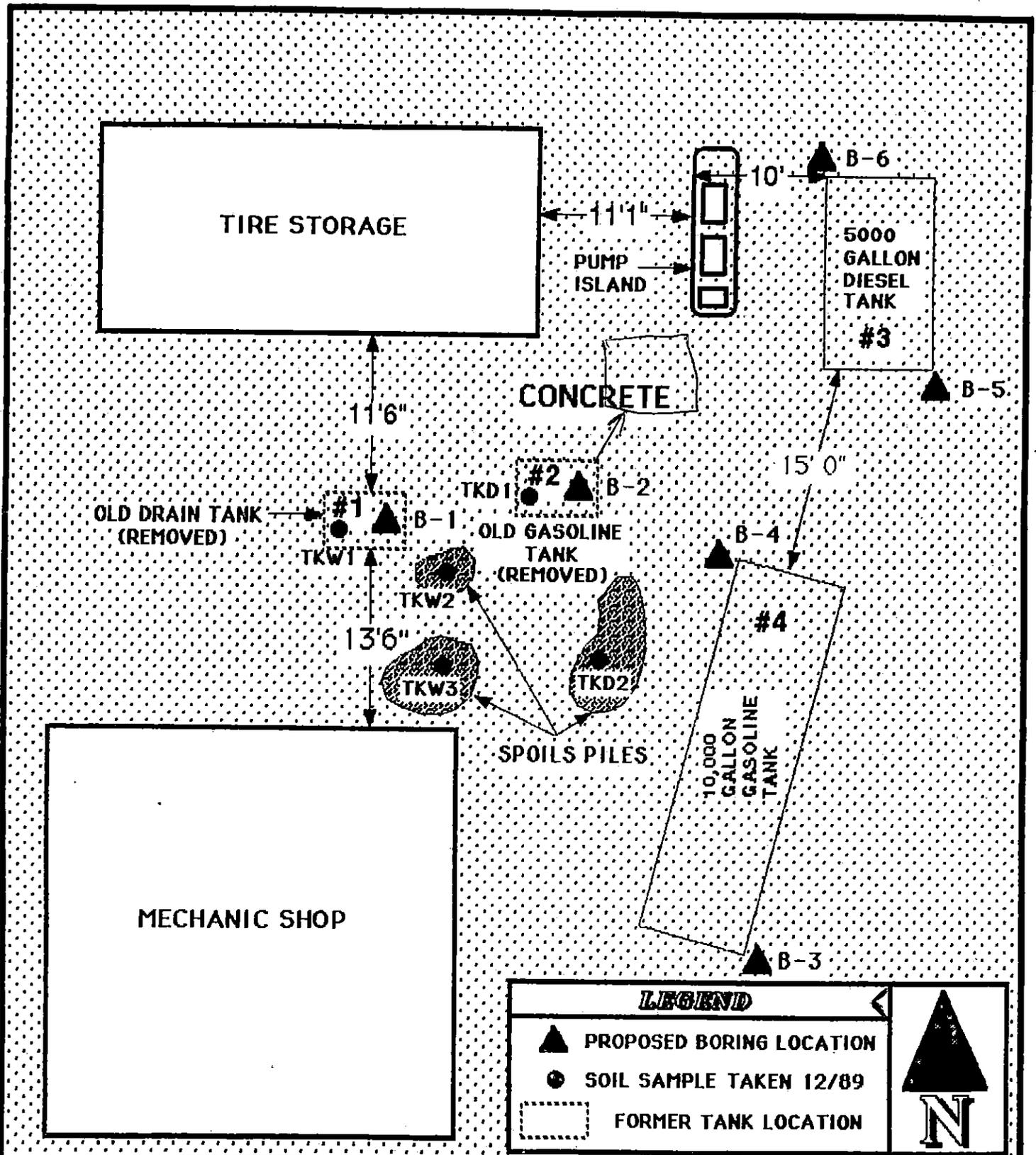
It is proposed to install six sampling borings in locations shown in Figure 2. At least one boring will be drilled to a depth of 40 feet or to 10 feet below the level of last detected contamination, whichever is deeper. The remainder of the borings will be drilled to a depth of 20 feet below grade or to 10 feet below last detected contamination, whichever is deeper, in each case.

If groundwater is encountered at or above the 40-foot depth, a groundwater sampling well will be installed according to regulations.

When how many



HEKIMIAN & ASSOCIATES, INC.		16571 Gemini Lane Huntington Beach, CA 92647 (714) 841-6288 FAX (714) 848-2603	
CONSULTING ENGINEERS AND ENVIRONMENTAL PLANNERS			
SCALE: NTS	APPROVED BY:		DRAWN BY SNL
DATE: 5-30-90			REVISED
Capistrano Unified School District 26126 Victoria Blvd. Capistrano Beach, CA			
SITE LOCATION MAP			DRAWING NUMBER Figure 1



HEKIMIAN AND ASSOCIATES, INC.
 CONSULTING ENGINEERS AND PLANNERS

CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BLVD.
 CAPISTRANO BEACH, CALIFORNIA 92624

PROPOSED SOIL BORING LOCATIONS

SCALE 1" = 10'

FIGURE 2

Table 1 - LABORATORY RESULTS OF SOIL SAMPLES

Sample I.D.	Location	Laboratory Test Results (ppm)							
		EPA 418.1	EPA 8010	EPA 8015M	EPA 8015E	EPA 8020			
						B	T	E	X
TKW1	West of 550 gallon waste oil tank excavation	ND	---	---	---	---	---	---	---
TKW2	Spoils pile from waste oil tank pit	3,200	ND	---	---	ND	ND	ND	ND
TKW3	Spoils pile from waste oil tank pit	210	ND	---	---	ND	ND	ND	ND
TKD1	West of 550 gallon diesel tank excavation	---	---	5,521	300	15	2	23	107
TKD2	Spoils pile from diesel tank pit	---	---	1,272	218	2	2	9	68

ND - Not detected

HYDROGEOLOGY

Groundwater depth was measured at 13.5 feet below grade in September 1989 at a well located northwest of the subject site as shown in Figure 1. According to the USGS topographic map for the area, it appears as though the subject site is 20 to 30 feet higher than the location of the well; therefore, the estimated groundwater depth at the subject site is between 33.5 and 43.5 feet below grade, according to this information.

UNDERGROUND UTILITIES

There are no major or minor underground utilities in the vicinity of the sample boring area surrounding the present and former tanks. All borings will be done beginning with a posthole digger to about four feet to insure that no unidentified utility lines lie beneath the intended boring location.

HEALTH AND SAFETY PLAN

A copy of the Hekimian & Associates, Inc. Health and Safety Plan is enclosed for your review. A copy of this plan will be available on site during all field operations conducted by Hekimian & Associates, Inc.

SOIL SAMPLING PROCEDURES

Soil samples will be taken with a California split-spoon Modified Shelby sampler under the supervision of a registered civil engineer. The split-spoon sampler and sample sleeves will be cleaned with TSP detergent, and alcohol, and rinsed with distilled water bore use to prevent samples cross-contamination.

Each sample will be immediately capped in the sampling tube, sealed, marked to identify the sample and placed into a chilled container for transport to a State-certified laboratory for testing, using an appropriate chain-of-custody form.

LABORATORY ANALYSIS METHODS

Soil samples will be analyzed by a California Department of Health Services certified laboratory equipped for the type of analysis to be conducted. Soil samples will be analyzed for Total Petroleum Hydrocarbons (TPH) by methods EPA 8015M for gasoline and EPA 8015E for diesel fuel. One sample from each boring having the highest level of TPH will also be analyzed for Volatile Organic Hydrocarbons (BTEX) by EPA 8020. If groundwater is encountered, a water sample will be taken and analyzed BTEX by Method EPA 602.

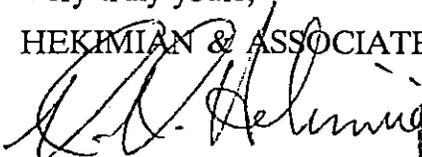
SITE ASSESSMENT REPORT

Upon completion of this site assessment and receipt of laboratory test results, a Site Assessment Report and Remedial Action Plan will be prepared and submitted to the Orange County Health Care Agency.

If you have any questions, please contact Stan Katten at your convenience.

Very truly yours,

HEKIMIAN & ASSOCIATES



Kenneth K. Hekimian, Ph.D.
President



KKH/sqq

cc: Mr. Edward Rooney

Attachments

ATTACHMENTS



ASSOCIATED LABORATORIES

804 North Batavia - Orange, California 92668 714/771-8900

FAX 714/638-1209

CLIENT

Barney's Inc.
7351 Walnut Avenue
Buena Park, CA 90620

(1846)

LAB NO F79211-02

REPORTED 01/05/90

Attn: David K. Oldfield

SAMPLE

Soil

RECEIVED 12/29/89

IDENTIFICATION

CUSD Transportation Yard
28126 Victoria, Capistrano Beach
BASED ON SAMPLE As Submitted with County Seals Intact

Total Hydrocarbons
(TPH DHS) (Diesel) (mg/kg)

TKD1

300

TKD2

218

Total Hydrocarbons
(TPH DHS) (Gasoline) (mg/kg)

5,521

1,273

Benzene (mg/kg)

15

2

Toluene (mg/kg)

2

2

Ethyl Benzene (mg/kg)

23

9

Total Xylenes
(8020) (mg/kg)

107

68

ASSOCIATED LABORATORIES

Edward S. Behare, Ph.D.

ESB/ql

cc: O.C. Health Care Dept.

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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CONSULTING
Microbiological
Environmental



ASSOCIATED LABORATORIES

808 North Batavia - Orange, California 92668 - 714/971-6500

FAX 714/830-1209

CLIENT

Barney's Inc.
7351 Walnut Avenue
Buena Park, CA 90620

(1646)

LAB NO

F79211-01

REPORTED

01/05/90

Attn: David K. Oldfield

RECEIVED

12/29/89

SAMPLE -

Soil

IDENTIFICATION

CUSD Transportation Yard
26126 Victoria, Capistrano Beach

BASED ON SAMPLE

As submitted with County Seals Intact

~~TKW1~~

TKW2

TKW3

Hydrocarbons
(418.1) (mg/kg)

ND<10

3,200

210

Benzene (mg/kg)

ND< 0.05

ND< 0.05

Toluene (mg/kg)

ND< 0.05

ND< 0.05

Ethyl Benzene (mg/kg)

ND< 0.1

ND< 0.1

Total Xylenes
(8070) (mg/kg)

ND< 0.1

ND< 0.1

EPA Method 8010

||||

* ND

* ND

* All compounds were None Detected. See attached list.

ASSOCIATED LABORATORIES

Edward S. Behara, Ph.D.

ESB/pl

RECEIVED

cc: O.C. Health Care Dept.

HEALTH CARE AGENCY
Environmental Health

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

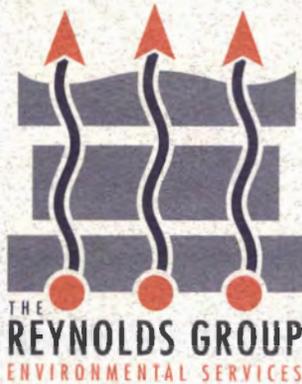
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TESTING CONSULTING
Chemical
Microbiological
Environmental

R E C E I V E D

JUN 04 1990

HEALTH CARE AGENCY
Environmental Health



**SINGLE GROUND WATER WELL
INSTALLATION**

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CAPISTRANO BEACH, CALIFORNIA**

D E C E M B E R , 1 9 9 5

PREPARED FOR:

Mr. Jim Strozier
Hazardous Waste Specialist
ORANGE COUNTY HEALTH CARE AGENCY
Environmental Health Division
Hazardous Materials Management Section
2009 Edinger Avenue
Santa Ana, California 92705

PROJECT #4759-CAP

TABLE OF CONTENTS

**SINGLE GROUND WATER WELL
INSTALLATION**

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CAPISTRANO BEACH, CALIFORNIA**

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- FIGURE 1** - SITE LOCATION MAP
- FIGURE 2** - SITE PLOT PLAN WELL LOCATION

APPENDICES

- APPENDIX A** - EXPLORATORY BORINGS AND SOIL SAMPLING
- APPENDIX B** - WELL INSTALLATION PROCEDURES
- APPENDIX C** - GROUND WATER SAMPLING AND ANALYSIS PROCEDURES

SINGLE GROUND WATER WELL INSTALLATION

**CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BLVD.
CAPISTRANO BEACH, CALIFORNIA**

1.0 INTRODUCTION

1.1 Purpose

This workplan presents plans to install one ground water monitoring well at the Capistrano Unified School District property. The well will be located downgradient of the former underground storage tanks.

1.2 Site Setting

Capistrano Unified School District property (the Site) is located at 26126 Victoria Boulevard in Capistrano Beach, California (Figure 1). The Site is situated between Sepulveda Avenue and Santa Rosa Avenue, approximately 1/2 miles north of State Highway 1 and approximately 1/2 miles south of Interstate 5.

The subsurface soils are alluvial, consisting of medium grained sand to clayey sands with thin interbedded layers of sandy silt and sandy clay. Data collected during investigations conducted at a site within 500 yards of this Site indicate depth to the first or perched ground water varies between approximately 15 feet below ground surface (ft bgs) to approximately 19 ft bgs. The ground water gradient was calculated to be to the southwest with a downgradient slope of 0.011 feet per foot.

2.0 OBJECTIVES

The primary objective of this work is to assess potential ground water contaminant concentration levels at the Site from a location downgradient from the former USTs. This will be accomplished by installing one 40 foot deep ground water monitoring well.

3.0 SCOPE OF WORK

To meet the objectives, the following tasks will be conducted:

3.1 Well Permitting

The Reynolds Group (TRG) personnel will apply for and acquire well permits as required by the County of Orange Health Care Agency (OCHCA).

3.2 Well Locating and Underground Clearance

Prior to Site drilling, TRG will delineate general area for ground water monitoring well at the Site. These area will be evaluated in terms of their proximity to aboveground and below ground facilities and utilities. After marking the TRG-approved drill areas, Underground Service Alert (USA) will be notified of the intent to drill at these areas. After USA has completed site work and prior to drilling, the location will be hand-dug to a depth

of at least five feet to further help prevent accidental damage to subsurface equipment which could not be delineated by USA.

3.3 Ground Water Assessment

One ground water monitoring well (MW1) will be installed on the Site (Figure 2). The well will be completed at a depth of approximately 30 ft bgs, or approximately 10 feet deeper than the encountered ground water as County rules request, and the slotted portion will extend from approximately five feet above the highest encountered tidal fluctuation through the depth of the well. The slotted interval will consist of 0.010-inch machined slots, and the filter pack will be #2/12 Lonestar sand, or equivalent. TRG's standard boring and well installation procedures are presented in Appendix B.

3.4 Well Development and Ground Water Sampling

Upon completion of well installation, TRG will conduct a round of well sampling. The wells will be developed and the ground water sampled according to TRG's standard written procedures for well development and sampling as presented in Appendix B. The wells will be developed by surging and pumping ground water to settle the sand pack and remove the fines. The ground water from each well will then be purged and sampled for laboratory analysis. The borings will be sampled at approximate five-foot depth intervals. Soil boring and soil sampling will be conducted according to TRG's exploratory borings and soil sampling procedures presented in Appendix A.

3.5 Laboratory Analysis

A State Certified laboratory will analyze the soil and water samples for total petroleum hydrocarbons (TPH) as gasoline and diesel according to EPA Method 8015 (modified) and for benzene, toluene, ethylbenzene, and xylenes (BTEX) according to EPA Method 8020. As standard TRG QA/QC procedures (Appendix C), field and equipment blanks will also be analyzed during ground water monitoring.

3.6 Final Report

The results of the project will be summarized in a final report. The report will be signed by a California-Registered Civil Engineer and will include, but not be limited to, the analytical results from soil and ground water samples, geologic log, summary of the findings, conclusions and recommendations.

4.0 SCHEDULE

We estimate that the field work will take approximately one day; water sample analysis will require approximately five working days. A draft report will be issued within ten business days following receipt of laboratory analyses reports.

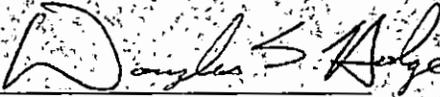
If you have any questions, please feel free to contact Ed Reynolds or Doug Hodge at (714)730-5397.

Sincerely,

THE REYNOLDS GROUP
A California Corporation



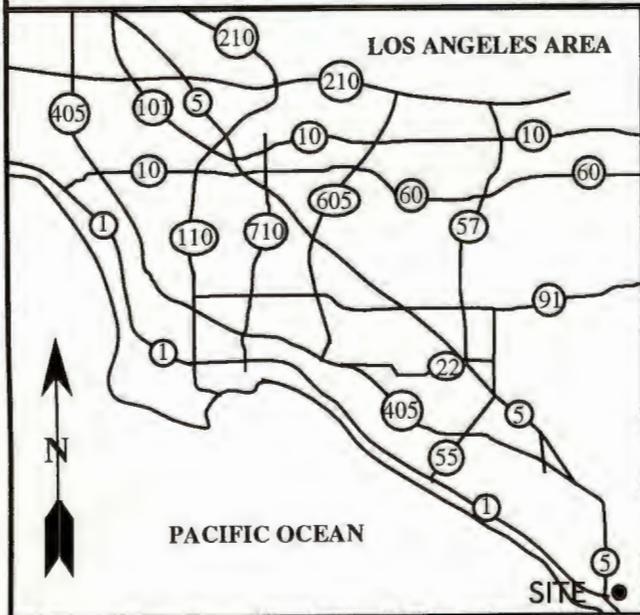
F. Edward Reynolds, Jr., P.E.
President



Douglas S. Hodge, Ph.D.
Technical Director

FIGURE 1

SITE LOCATION MAP



ADAPTED FROM 1993 LA/ORANGE COUNTY THOMAS BROTHERS GUIDE, PAGE 972.

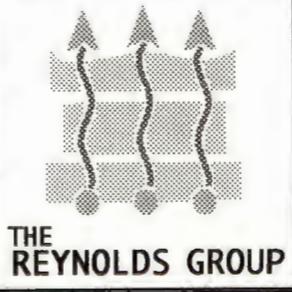


FIGURE 1
SITE LOCATION MAP
CAPISTRANO UNIFIED
SCHOOL DISTRICT
26126 VICTORIA BLVD.
SAN JUAN CAPISTRANO, CA
DECEMBER 1995

FIGURE 2
SITE PLOT PLAN WITH
WELL LOCATION

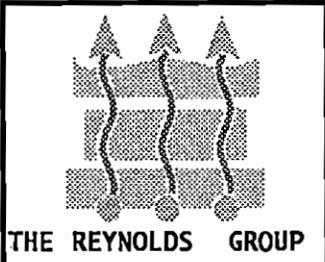
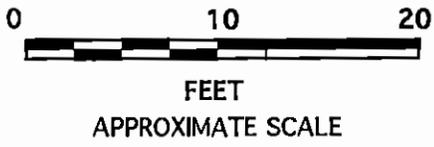
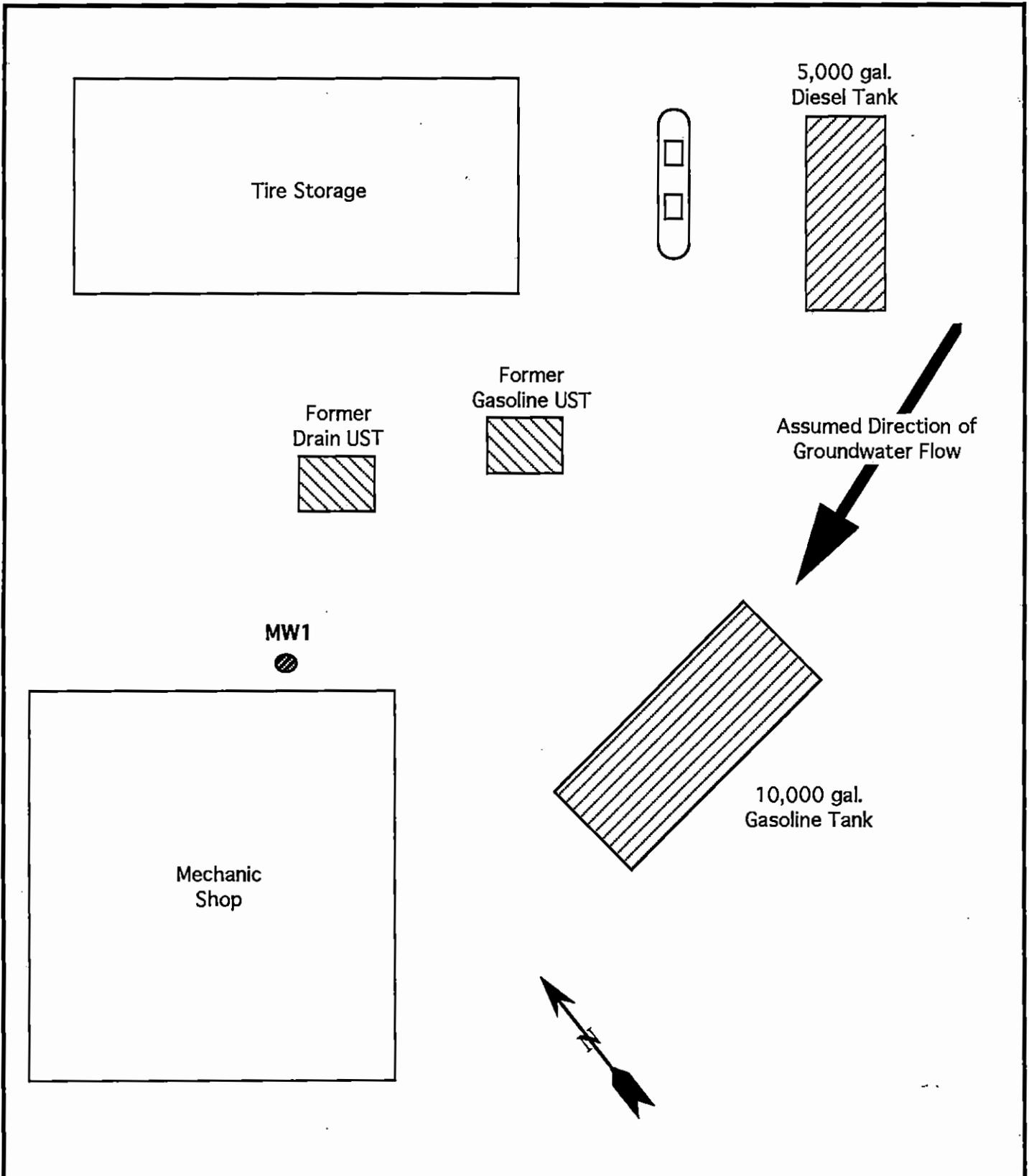


FIGURE 2
PLOT PLAN WITH WELL LOCATION
 CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH, CALIFORNIA
 DECEMBER 1995

APPENDIX A
EXPLORATORY BORINGS AND
SOIL SAMPLING

EXPLORATORY BORINGS AND SOIL SAMPLING

General procedures for drilling and sampling exploratory borings are discussed below.

Before a drilling rig is mobilized, access issues with private property owners are resolved and an underground utility locating service contracted to investigate proposed boring site and arrange for site visits by public and private utility companies. The utility companies locate their installations with the aid of maps and the locating service verifies and marks the locations. Final boring locations are determined after these assessments are made. To confirm that no subsurface utilities will obstruct drilling, field personnel excavate 5 feet of soils around the boring locations.

For a site characterized by relatively shallow (less than 100-foot-deep) ground water, exploratory borings are drilled with 8 to 10 inch hollow-stem auger drilling equipment. The augers have been steam-cleaned to prevent possible cross-contamination between boreholes. Where chemical analysis of samples is indicated, sampling equipment is also steam-cleaned between each sampling event.

Soil samples are collected at depths no farther apart than 5 feet using a modified California split-spoon sampler which is fitted with stainless-steel liners. As the sampler is driven into undisturbed soil ahead of the auger tip, soil accumulates in the liners. The sampler is retrieved from the ground and the liners are removed, sealed with Teflon tape and polypropylene end-caps, and stored on ice pending selection for analysis and transport to the laboratory. Chain-of-custody documentation accompanies samples to the laboratory.

Field characterization of contamination is based on visual and olfactory observations and on the results of a headspace analysis, in which a soil sample is removed from the liner, sealed in a mason jar or plastic bag, and exposed to direct sunlight for 10 to 15 minutes. The jar is shaken to release volatile hydrocarbons into the headspace between the soil and the jar cover. The headspace is probed by a tube attached to a portable photoionization detector (PID), by which volatile hydrocarbon content is measured. A minimum of one sample, typically that having the highest PID reading from a boring, is submitted for chemical analysis.

A detailed boring log is maintained for each exploratory boring from auger-return material and representative soil samples. Soil is logged in the field according to the Unified Soil Classification System, and the logging supervised by a California Registered Civil Engineer. Borings not completed as wells are backfilled with a bentonite-cement slurry by the tremie method.

Drill cuttings are stockpiled on site in 55-gallon DOT approved drums or covered with plastic sheeting until the results of chemical analyses are known. The petroleum hydrocarbon content of the stockpile is determined by analysis of a composite formed from samples collected from the subsurface of the stockpile. Recommendations for disposal of the cuttings are made on the basis of the analysis, and the cuttings are disposed of by the client.

APPENDIX B
WELL INSTALLATION PROCEDURES

WELL INSTALLATION PROCEDURES

Well permits are obtained from local and state regulatory agencies and access issues resolved with private property owners. A utility locating service is contracted to investigate the site for underground installations that may obstruct drilling in the proposed locations. The locating service schedules visits to the site by public and private utility companies, which locate their installations with maps. The locating service verifies and marks the locations. To confirm that there are no subsurface utilities to obstruct drilling, field personnel excavate 5 feet of soil around proposed boring locations.

Monitoring wells are drilled with hollow-stem auger equipment. Soil samples for analysis and stratigraphic classification are collected from auger-return material and from the borings at depth no more than 5 feet apart. In locations characterized by relatively shallow (less than 100-foot-deep) ground water, the borings are drilled with 8 to 10 inch hollow-stem augers. Drilling equipment is routinely steam-cleaned to prevent potential cross-contamination between boreholes. Sampling equipment is likewise steam-cleaned in instances where chemical analysis of soil samples is anticipated.

Soil samples are collected with a modified California split-spoon sampler at depth no more than 5 feet apart. The split-spoon sampler, which is fitted with stainless steel liners, is driven into undisturbed soil ahead of the auger tip, causing soil to accumulate in the liners. Samples collected above first-encountered ground water are sealed in the liners with Teflon tape and polypropylene end-caps, and stored on ice pending selection and transportation to a state-certified laboratory, together with chain-of-custody documentation.

Field characterization of contamination is based on visual and olfactory observations and the results of a headspace analysis, in which a soil sample, after being emptied from the liner, is sealed in a mason jar and exposed to direct sunlight for 10 to 15 minutes. The jar is shaken to release volatile hydrocarbons into the headspace between the soil and the jar cover. The headspace is probed by a tube attached to portable photoionization detector (PID), by which volatile hydrocarbon content is measured. At least one sample, typically that having the highest PID reading from a boring, is selected for chemical analysis. If PID readings are consistent with depth throughout a boring, samples from the bottom of the boring or nearest the top of the capillary fringe are selected for analysis.

Under the supervision of a state registered geologist or registered civil engineer with experience in Unified Soil Classification System (UCSC), soil samples are classified and logged according to the Unified Soil Classification System.

Drill cuttings from the borings are contained in DOT-approved 55 gallon drums until the soil has been characterized. If the client so requests, soil samples are later collected from the drum and laboratory analyzed. On the basis of laboratory results, appropriate disposal methods are recommended to the client who is responsible for disposal of the cuttings. Exploratory borings not scheduled for conversion to wells are sealed with bentonite-cement slurry pumped into the boring through a tremie pipe.

Exploratory borings to be converted to verification monitoring wells or extraction wells are drilled no deeper than 20 feet into saturated soil, or until a layer at least 3 feet thick of relatively impermeable clayey material (aquitar) is encountered, whichever comes first. If the aquitar is sufficiently thick, it is backfilled with bentonite through a tremie pipe. Borings are converted to verification monitoring wells with 4 inch diameter, flush-threaded, polyvinyl chloride (PVC) casing with a screened section of machine-perforated, 0.020 or 0.010 inch slots.

Boring depths and screen lengths are determined from geologic profiles of the boring. Screened sections of casing extend through the saturated interval as much as 5 feet above first encountered ground water. A well is completed by the placement of various materials in the annular space around the casing. The annulus is filled to approximately 2 feet above the screen with a sand pack of a suitable grain size considering the grain size of the soil. The sand pack is covered with a bentonite plug at least 3 feet thick, and the remaining annular space is sealed within 1 foot of the surface with a sanitary seal of bentonite-cement grout. The well heads are protected with traffic-proof vault boxes and locking devices set in concrete. Well locations are surveyed and top-of-casing elevations measured to the nearest 0.01 foot. Detailed well completion diagrams are prepared. If necessary, water well drillers' report containing geological data, well locations and construction details are submitted to the California Department of Water Resources.

APPENDIX C

**GROUND WATER SAMPLING AND
ANALYSIS PROCEDURES**

GROUNDWATER SAMPLING AND ANALYSIS PROCEDURES

TRG's sampling and analysis procedures for water-quality monitoring are designed to provide consistent and reproducible results and ensure that the objectives of the monitoring program are met.

The following publication was used as guidelines for developing these procedures:

- * RCRA Groundwater Monitoring Technical Enforcement Guidance Document (OSWER 950.1, September 1986)

Sample Collection

Sample collection procedures include equipment cleaning, well purging, and water-level, floating-hydrocarbon thickness, and total well-depth measuring.

Equipment Cleaning

All well-sampling equipment is washed both before and after each sampling event with a solution of Alconox and water, rinsed with tap water, and then rinsed again with de-ionized water.

The surface of well equipment that comes in contact with ground water during well purging and sampling are steam-cleaned with deionized water between each use. Alternatively, if dedicated purge and sample bailers are to be used for each well, these are steam cleaned, then machine washed in a dishwasher with Alconox, on a hygienic or sanitary, rinse cycle, followed by at least two hot water rinses, then individually wrapped in aluminum foil for transport to the field. In this case, purge and sample bailers are not to be reused on any one day and are not to be cleaned in the field.

Water-level, Floating Hydrocarbon, and Total Well-Depth Measurements

Water levels, floating-hydrocarbon thickness, and total well depth are measured before wells are purged and sampled. An electric sounder, a bottom-filling, clear Teflon bailer, or an oil-water interface probe are used to make these measurements. The electric sounder is a transistorized instrument with reel-mounted, two-conductor, coaxial cable which connects the control panel to the sensor. The cable is stamped in 1-foot increments. The sensor is lowered into the well and, as it makes contact with the water, which acts as an electrolyte, a low-current circuit is completed.

The current is amplified and fed into an indicator light and an audible buzzer, which produces a signal as the sensor touches the water. A sensitivity control compensates for highly saline or conductive water. The sounder is decontaminated after each use with a three bucket rinse consisting of Alconox and water and two buckets of deionized-water rinse. The clear bailer is lowered to a point just below the liquid level, retrieved, and inspected for floating hydrocarbon. If a clear bailer is to be reused, it is thoroughly cleaned between wells by the above method, or by steam cleaning.

Alternatively, an oil-water interface sonic probe can be used to measure floating-hydrocarbon thickness. The probe emits a continuous tone when immersed in a non-conductive fluid, such as oil or gasoline, and an intermittent tone when immersed in a conductive fluid, such as water. Fluid levels are recorded relative to which tone is emitted. The sonic interface probe is decontaminated after each use in the same manner as the electric sounder.

Fluid measurements are recorded to the nearest 0.01 feet in a field log-book and on the well gauging form. The groundwater elevation at the monitoring wells is calculated by subtracting the measured depth to water from the surveyed top-of-casing elevation. When possible, depth to water from the surveyed top-of-casing elevation. When possible, depth to water is measured in all wells on the same day. Water levels are converted to elevations above mean sea level (MSL) and contoured on a groundwater map. Total well depth, recorded to the nearest 0.5 foot, is measured by means of an electric sounder which is lowered to the bottom of a well. Alternatively, the total depth can be measured by lowering a pre-cleaned tape with a stainless steel plumb bob. This need only be done quarterly and the device must be cleaned by the above method between wells. This measurement is used for calculating purge volumes and determining the degree to which silt may have obstructed the well screen.

Well Purging

Before a monitoring well is sampled, it is purged of standing water in the casing and gravel pack by one of several devices: a bladder pump, a pneumatic displacement pump, a centrifugal pump, a vacuum truck, or a PVC or Teflon bailer. Where bailers are used for purging, the bailers should be pre-cleaned with a triple washing procedures at a minimum.

When bailers are used, a dedicated cloth rope and gloves are to be used for the purge bailer. The rope should not contact the ground during the purging event. An ample number of purge bailers should be used to eliminate reuse of any bailer during that day.

The amount of water purged in most wells will be at least three casing volumes, although some wells are expected to be evacuated due to dryness before this amount has been removed. These low-yield monitoring wells are allowed to recharge until the volume of water is sufficient for sampling, but not longer than 24 hours. If insufficient water has recharged after 24 hours, a monitoring well is recorded as dry for the sampling event.

Field measurements are recorded at no more than 5 gallon intervals on a water sample, field data sheet and kept in a waterproof logbook. Data sheets are reviewed by the sampling coordinator or known to be of low volume, then the field measurements will be recorded at less than 5 gallon intervals. For high-yield wells, the parameters can be recorded at larger intervals, but a minimum of four sets of measurements will be recorded for each well.

The pH, specific conductance, and the temperature meter are calibrated daily before field activities are begun and are recorded on a field meter log form. Meter calibration is checked daily during field activities to verify performances.

Well Sampling

A Teflon bailer or a bladder pump is the only acceptable equipment for well sampling. When samples are collected for volatile organic compound (VOC) analysis with a bladder pump, the pump flow is regulated to approximately 100 milliliters per minute to minimize pump-effluent turbulence and aeration. A separate Teflon sampling bailer can be used for each well if pre-cleaned. In this case, the sampling team is to use dedicated rope and gloves for each well. After purging and allowing the well to recovery, the Teflon sampling bailer is lowered into the water and retrieved to be poured out three times before filling the sample containers. This normalizing process is essential to all sampling events. Samples for VOC analysis are preserved in 40 milliliter glass bottles (or larger), which are fitted with Teflon-lined septa. The bottles are filled complete to force out air and to aid in forming a positive meniscus. Bottles are capped with convex Teflon septa to seal out air, and are inverted and

tapped to verify that no air bubbles remain. Containers holding samples to be analyzed for other constituents are filled, filtered as required, and capped.

When required, an appropriate field-filtration technique is used to determine dissolved concentrations of metals. When a Teflon bailer is used, the contents are emptied into a pressure transfer vessel. A disposable 0.45-micron acrylic copolymer filter is threaded onto the transfer vessel at the discharge point and the vessel is sealed. The vessel is pressurized with a hand pump and the filtrate directed into appropriate containers. Each filter is used once and discharged.

When a bladder pump is used to collect samples for dissolved constituents, a sample is filtered through a disposable 0.450-micron acrylic copolymer filter attached directly to the pump effluent line with a pressure fitting. As the pump cycles, the effluent is pressured through the filter and directed into an appropriate container. Each filter is used once and discarded.

When a submersible or turbine pump is dedicated to a well, samples are collected either instream or from sampling ports on the system. In this case, a sampling procedure will be developed on a site-specific basis.

Sample Preservation and Handling

Procedures for handling and preserving samples are consistent with the guidelines referenced in the Introduction. Sample containers vary depending on the type of analysis required (e.g., volatile organics, hydrocarbons, or dissolved metals) and are non reactive with a given chemical.

Depending on the analysis to be run and the time between sampling and analysis events, sample containers may need to be pre-acidified with HCL, H₂SO₄, or HNO₃. A discussion with the project manager and laboratory are important prior to well sampling. For example, samples to be analyzed for alkalinity are never acidified and are collected in 500 ml pre-cleaned plastic containers.

Sample Handling

Sample containers are labeled immediately after sample collection, and are kept on cold packs which are replaced daily until the containers are received at the laboratory. As a sample is collected, it is logged on the chain-of-custody record that accompanies samples to the laboratory.

In many cases, preplanning will allow sample container to be prelabelled with all pertinent information except time of sampling. This, along with filling in the time on the chain-of-custody, need to be done at the time of sampling and the prelabelling allows more time for measuring and recording the water quality parameters such as pH, temperature and conductivity.

Samples are transferred from the site to the laboratory by the sampling team. Laboratory personnel assign a different number to each sample container and the number is recorded on the chain-of-custody record and used to identify the sample on all subsequent internal chain-of-custody and analytical records. Within 24 hours of sample receipt, samples are routinely shipped from TRG to laboratories performing the selected analyses. TRG's laboratory manager ensures that the holding times for requested analyses are not exceeded.

Sample Documentation

The procedures for sample handling provide chain-of-custody control from collection through storage. Sample documentation includes the following:

- * Field logbooks for documenting sampling activities in the field
- * Labels for identifying individual samples
- * Chain-of-custody records for documenting possession and transfer of samples
- * Laboratory analysis requests for documenting analyses to be performed

Field Data Sheets

In the field, the sampler records the following information on the water sample field data sheet for each sample:

- * Project number
- * Client name
- * Location
- * Sampler's name
- * Date and time
- * Well accessibility and integrity
- * Pertinent well data (e.g., casing diameter, depth to water, well depth)
- * Calculated and actual purge volumes
- * Purging equipment
- * Sampling equipment
- * Appearance of each sample (e.g., color, turbidity, sediment)
- * Results of field analyses (temperature, Ph, specific conductance)
- * General comments

The field logbooks are signed by the sampler.

Labels

Sample labels contain the following information:

- * Project number
- * Sample number (i.e., well designation)

- * Sampler's initials
- * Date and time of collection
- * Type of preservative used (if any)

Sampling and Analysis Chain-of-Custody Record

The sampling and analysis chain-of-custody record, initiated at the time of sampling, includes the well number, sample type, analytical request, date of sampling, the name of the sampler, and other information deemed pertinent. The sampler signs his name and records the date and time on the record sheet when transferring the samples to another person. Custody transfers are recorded for every sample; for example, if samples are split and sent to more than one laboratory, a record sheet accompanies each sample. The number of custodians in the chain of possession is kept to a minimum. A copy of the sampling and analysis chain-of-custody record is returned to TRGs with the analytical results.

Groundwater Sampling and Analysis Request

The Groundwater Sampling and Analysis Request or the purchase order that accompanies samples to the laboratory serves as official communication of the particular analysis(es) required for each sample and is evidence that the chain of custody is complete.

At a minimum, the groundwater sampling and analysis request includes the following:

- * Date submitted
- * Specific analytical parameters
- * Well number
- * Sample source

Analytical Methods

Samples collected as part of the proposed monitoring programs are analyzed by accepted analytical procedures. The following publications are our primary references:

- * Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020, Revised March 1983)
- * Methods for Organic Chemical Analysis of Municipal and Industrial Waste water (EPA-600/4-82-057, July 1982)
- * Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods (EPA SW-846, 3rd Edition, November 1986)
- * Leaking Underground Fuel Tank (LUFT) Manual, State Water Resources Control Board, State of California Leaking Underground Fuel Tank Task Force, May 1988.

The laboratories performing the analyses are certified by the California Department of Health Services (DHS) for hazardous waste testing.

Quality Control

Quality assurance measures confirm the integrity of field and laboratory data generated during the monitoring program. Procedures for assessing data quality are discussed in this section. Field and laboratory quality assurance data are evaluated in the technical reports.

Field Quality Assurance

Field quality assurance for each monitoring event includes the documentation of field instruments calibration and collection and analysis of trip blanks, field blanks, and duplicate samples. Split samples may also be included in the monitoring program.

Trip, Field and Equipment Blanks

Trip, field and equipment blanks are used to detect contamination introduced through sampling or cleaning procedures, external field conditions, sample transportation, container preparation, sample storage, and the analytical process.

Trip blanks are prepared at the same time and location as the sample containers for a given sampling event. Trip blanks accompany the containers to and from that event, but are never opened or exposed to the air. One trip blank for volatile organic parameters is typically included for each sampling event.

Field blanks are prepared in the same manner as trip blanks, but are exposed to the ambient atmosphere at a specific monitoring point during sample collection for the purpose of determining the influence of external field conditions on sample integrity. One field blank for volatile organic parameters is typically included for each day of sampling.

An equipment blank for dedicated bailers is used to check the cleaning process and eliminate a potential variable of contamination. In the case of a dishwasher load of clean bailers to be used at a particular site on a particular day, an equipment blank is prepared by

choosing a Teflon sampling bailer out of the dishwasher as representative of the set of bailers washed. This randomly chosen bailer is assembled with latex gloves and filled with deionized water which is poured out three times, after which an equipment blank for volatile organic parameters is prepared by filling two 40-ml VOA vials with deionized water from the chosen bailer.

The equipment blank is carried in the cooler to the field and run along with the field blank. The trip blank can be held at the lab and only run if compounds are detected in the equipment blank. Otherwise, the equipment blank can also serve as the trip blank.

Duplicate Samples

Duplicate samples are collected so that field precision can be documented. For each sampling event, a specified percentage (typically 5 percent) of monitoring well samples is collected in duplicate. Where possible, field duplicates are collected at sampling points known or suspected to contain constituents of interest. Duplicates are packed and shipped blind to the laboratory to be analyzed with the samples from that particular event (i.e., duplicates have no special markings indicating that they are quality control samples).

Laboratory Quality Assurance

Laboratory quality assurance includes procedures required under the DHS Hazardous Waste Testing Program. Quality assurance procedures in the Precision Environmental QA manual include the reporting of surrogate recoveries, matrix spike recoveries, and matrix spike duplicates (or duplicate) results.

Method blanks are analyzed daily for the purpose of assessing the effect of the laboratory environment on analytical results, and are performed for each constituent analyzed.

Samples to be analyzed for organic constituents contain surrogate spike compounds. Surrogate recoveries are used to determine whether analytical instruments are operating within limits. Surrogate recoveries are compared with control limits established and updated by the laboratory on the basis of its historical operation.

Matrix spikes are analyzed at a frequency of approximately 10 percent. Matrix spike results are evaluated to determine whether the sample matrix is interfering with the laboratory analysis, and provide a measure of the accuracy of the analytical data. Matrix spike recoveries are compared with control limits established and updated by the laboratory on the basis of its historical operation.

Laboratory duplicates are analyzed at a frequency of approximately 10 percent. Spike duplicate results are evaluated to determine the reproducibility (precision) of the analytical method. Reproducibility values are compared with control limits established and updated by the laboratory on the basis of its historical operation.

Laboratory QC data included with the analytical results are method blanks, surrogate spike recoveries (for organic parameters only), matrix spike recoveries, and matrix spike duplicates.

RECEIVED

DEC 12 1995

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

UST CLEANUP PROGRAM
SITE SPECIFIC REPORT

SITE NO.: 90UT28

CONTRACTOR NO.: 30000 SOURCE OF FUNDS: F SUBSTANCE: 8006619 GASOLINE
 SITE NAME: C U S D TRANSPORTATION YARD DATE REPORTED : 12/27/89
 ADDRESS : 26126 VICTORIA MULTIPLE RPS: (Y/N) N
 CITY: 40 CAPISTRANO BEACH ZIP: 92624

SITE STATUS

CASE TYPE (U/S/G/D) G CONTRACT STATUS: 9 EMERGENCY RESPONSE:

RP SEARCH (S/I/N/R/) S DATE UNDERWAY: 02/02/90 DATE COMPLETED: 02/02/90
 PRELIMINARY (U/C/) C DATE UNDERWAY: 12/27/89 DATE COMPLETED: 12/28/95
 ASSESSMENT

REMEDIAL (U/C/) C DATE UNDERWAY: 12/28/95 DATE COMPLETED: 05/25/00
 INVESTIGATION

REMEDIAL ACTION (U/C/I) DATE UNDERWAY: DATE COMPLETED:
 POST REMEDIAL (Y/N/U/C/) DATE UNDERWAY: DATE COMPLETED:
 ACTION MONITORING

ENFORCEMENT (Y/N) Y TYPE (1/2/3/4/5/6) 2 DATE TAKEN : 07/01/92
 ACTION TAKEN:

REMEDIAL ACTIONS TAKEN: ED PRIORITY: 1C

CASE CLOSED (Y/R/H/) Y DATE CLOSED : 07/26/00
 AFFECTED RESOURCES : 7 SOIL AND GROUNDWATER
 REMEDIATION TECHNOLOGY (WATER): 96 NONE
 REMEDIATION TECHNOLOGY (SOIL) : 1 EXCAVATION/REMOVAL
 HOW DISPOSED: 79 RECYCLED OFF-SITE - OTHER-INSIDE CA AMOUNT 281.00 TONS

RESPONSIBLE PARTIES

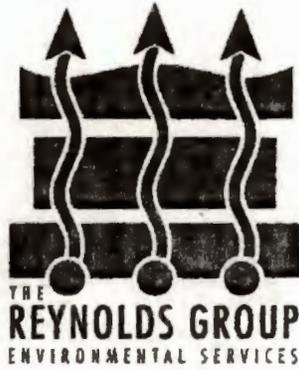
COMPANY NAME : CAPISTRANO UNIFIED SCHOOL DISTRICT
 CONTACT NAME : JAMES GANNON
 ADDRESS : 28 LIBERTY
 CITY/STATE/ZIP: ALISO VIEJO, CA 92656
 PHONE NO. : 949-489-7114

COMPANY NAME :
 CONTACT NAME :
 ADDRESS :
 CITY/STATE/ZIP: ,
 PHONE NO. : - -

COMPANY NAME :
 CONTACT NAME :
 ADDRESS :
 CITY/STATE/ZIP: ,
 PHONE NO. : - -

COMPANY NAME :
 CONTACT NAME :
 ADDRESS :
 CITY/STATE/ZIP: ,
 PHONE NO. : - -

COMMENTS: REQUESTS THEIR BILLINGS BE SENT TO:
 CONTACT NAME :
 COMPANY NAME :
 ADDRESS :
 CITY/STATE/ZIP : ,



FAX TRANSMITTAL COVER SHEET

=====

DATE: 12-13-95 FAX NUMBER: (714) 972-0749

TO: JIM STROZIER

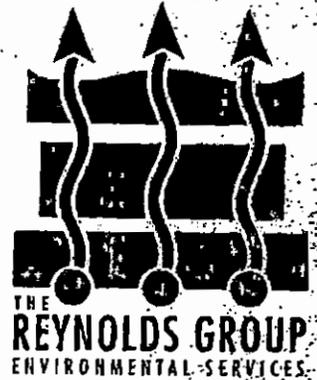
COMPANY: D.C. HEALTH

MESSAGE: HARD COPY IN TODAY'S MAIL

NUMBER OF PAGES: 3 including cover page.

FROM: ~~EB PERINIS~~ DOUG HODICE

FAX NUMBER: (714) 730-6476 PHONE NUMBER: (714) 730-5397



Wednesday, December 13, 1995

Jim Strozier
Hazardous Waste Specialist
ORANGE COUNTY
HEALTH CARE AGENCY
Environmental Health Division
2009 E. Edinger Avenue
Santa Ana, California 92705

**SUBJECT: CAPISTRANO UNIFIED SCHOOL DISTRICT
LOCATION OF SINGLE MONITORING WELL**

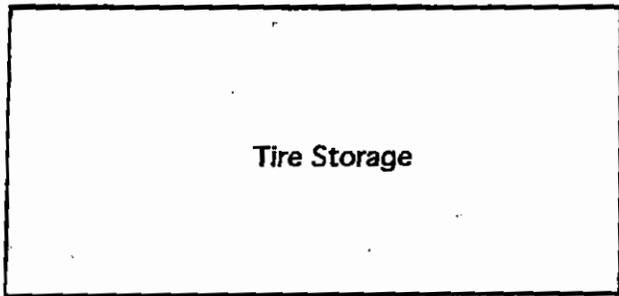
Dear Mr. Strozier:

Please find a copy of the revised Figure 2 showing the location of the proposed ground water monitoring well at Capistrano Unified School District property located at 26126 Victoria Blvd., Capistrano Beach, California. Please attach this figure to our work plan submitted December 12, 1995.

If you have any question, please give me a call at 714-730-5397. We have tentatively scheduled the work for the early part of next week.

Sincerely,
THE REYNOLDS GROUP
a California Corporation by:

Douglas S. Hodge, Ph.D.
Technical Director



5,000 gal.
Diesel Tank



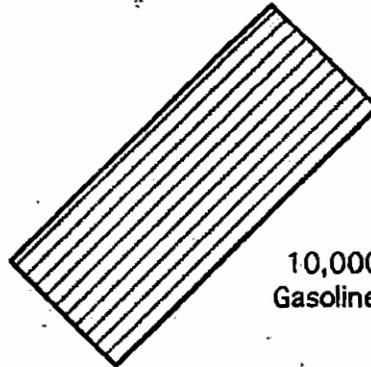
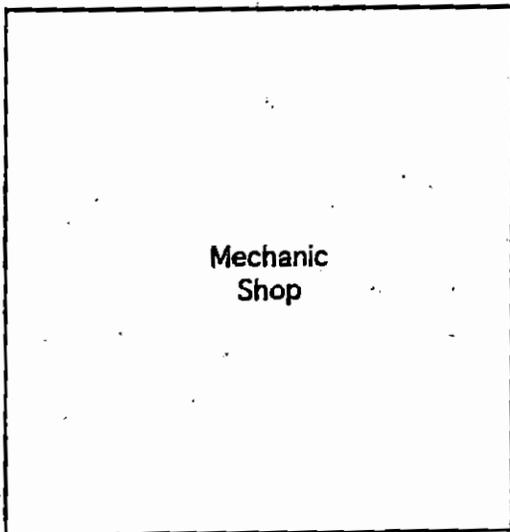
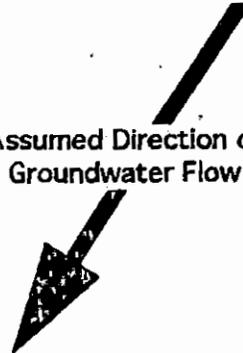
Former
Drain UST



Former
Gasoline UST



Assumed Direction of
Groundwater Flow



10,000 gal.
Gasoline Tank

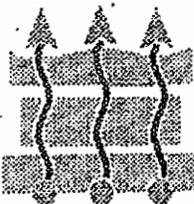


0 10 20



FEET

APPROXIMATE SCALE



THE REYNOLDS GROUP

FIGURE 2

PLOT PLAN WITH WELL LOCATION

CAPISTRANO UNIFIED SCHOOL DISTRICT

26126 VICTORIA BOULEVARD

CAPISTRANO BEACH, CALIFORNIA

DECEMBER 1995

RECEIVED

DEC 13 1995

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

HEKIMIAN & ASSOCIATES, INC.

ENVIRONMENTAL ENGINEERS / CONTRACTORS
CA CONTRACTOR'S LICENSE #500563

16571 Gemini Lane
Huntington Beach, CA 92647
(714) 841-6288
FAX (714) 848-2603

FILE NO. 1551S
June 4, 1990

COUNTY OF ORANGE HEALTH CARE AGENCY
Hazardous Materials Management Division
2000 East Edinger Avenue
Santa Ana, CA 92705

Attention: Mr. James C. Strozier

Subject: **HEALTH AND SAFETY PLAN FOR SITE ASSESSMENT AT CAPISTRANO
UNIFIED SCHOOL DISTRICT, 26126 VICTORIA BOULEVARD, CAPISTRANO
BEACH, CALIFORNIA**

Dear Mr. Strozier:

This plan presents the additional information you requested for the site remediation plan at the subject location.

INTRODUCTION

The subject site is located at the southwest corner of Victoria Boulevard and La Playa Avenue. Previous soil sampling from this site indicated the presence of both gasoline and diesel contamination in the vicinity of the removed underground storage tanks location.

Maintenance of a safe, hazard-free jobsite is of paramount importance to Hekimian & Associates, Inc. (HAI). The provisions of this Health and Safety Plan are intended to ensure the health and safety of all personnel present on all HAI jobsites, and of members of the public who may be affected by any accidents which might occur during these activities. The provisions of this Health and Safety Plan are to be observed by all HAI employees and HAI subcontractor personnel (hereinafter called HAI personnel) present during any potentially hazardous work occurring on the premises of jobsites where HAI is contracted to perform work.

HAI has a blanket permit from the SCAQMD for volatile contaminated soil excavation and disposal - No. 221833 which is renewed every six months, and a Hazardous Substances Removal and Remedial Action Certification License No. A3244 issued by the Contractors State License Board.

June 4, 1990

HEALTH AND SAFETY PROCEDURES

In the soil sampling operation, site assessment and remediation, all usual health and safety precautions for personnel involved are practiced. Safety equipment will be made available on site and will be utilized as necessary.

A. Site Hazard Characterization

Every project will have characteristics exclusive to itself. The specific hazards presented by any particular project will be determined by the jobsite where work is to be performed, and the specific tasks to be completed on the jobsite. It may be anticipated, however, that site assessment and remediation work will present certain hazards which all HAI jobsites may be expected to have in common. These hazards include, but are not limited to:

- Slips, trips and falls
- Injurious contact with heavy equipment
- Falling objects
- Excavation cave-in
- Oxygen deficiency or asphyxiation (confined space entry)
- Fire
- Explosion
- Exposure to elements (heat and cold stress)
- Exposure to high levels of gasoline or diesel fuel vapors

In order to protect all potentially affected personnel from injury due to foreseeable hazards, the following safety practices are to be observed by all HAI personnel at all times.

B. Safety Equipment

1. Organic Vapor Analyzer (OVA) Gastech Model 1238, calibrated for every job day with standard Hexane cylinders of 400 ppm and 40% LEL.
2. Pro-Tech half-face respirators with dual carbon filter cartridges for protection against organic vapors, chlorine, hydrogen chloride, sulphur dioxide, dusts, fumes, mists and radionuclides.
3. Fire extinguishers, General Fire Corporation, Carbon Dioxide C.
4. Protective gloves.
5. Eye goggles.
6. Ear (sound) protectors.
7. Safety shoes.
8. Barricades, traffic cones, no smoking signs.
9. Disposable coverall protective clothing.

June 4, 1990

C. Wind Direction Indicators

Wind flags will be set up on fence posts in all corners of the subject property. Field supervisor on site will position the excavation equipment and workers in an up wind location, if necessary, in order to minimize the health hazards for the personnel who may be involved.

D. Location of the Nearest Medical Facility

San Clemente General Hospital (714-496-1122) is located about two miles southeast of the site at Camino De Los Mares and the San Diego Freeway.

HAI field truck is equipped with mobil telephone and transport vehicles will be available on site at all time in case of an emergency.

E. Responsible Personnel

In the event of any accident involving damage to equipment or injury to personnel, the field supervisor and field engineer on site will notify the following persons and take any safety actions as necessary:

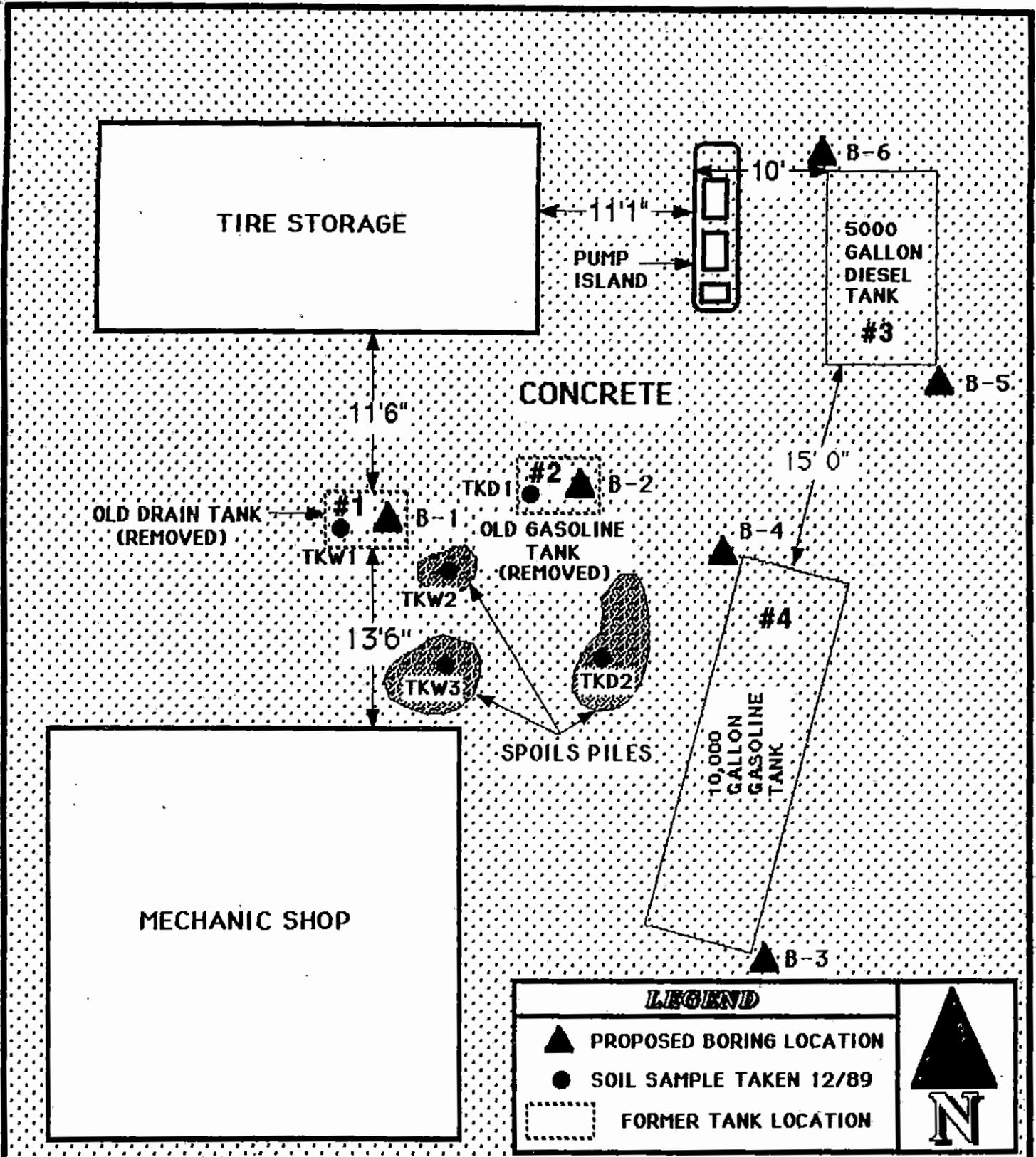
Field Engineer: Ehsan Firouzabadi, Julius Ma or Andre LaMontagne

Field Supervisor: Stan Katten

1. Edward Rooney, Capistrano Unified School District (714) 496-1215
2. Ken Hekimian, Hekimian & Associates, Inc., (714) 841-6288
3. James Strozier, Orange County Health Care Agency, (714) 667-3711
4. Fire Department, Local 911 (if necessary)
5. Ambulance, Local 911 (if necessary)

F. Level "D" Health and Safety Procedures that Apply to All Sampling Operations of Known or Possibly Contaminated Soil Include:

1. The working area around the site will be barricaded or fenced. A designated area inside the working area will be used as a decontamination zone where all the contaminated soil will be cleaned from the workers' shoes and equipment before leaving the site. Figure 1 shows the site arrangement and the confined working area. No smoking signs will be placed around the working area, when volatiles or other flammables are involved.
2. Full protective clothing including full body and limb coverage, gloves, safety shoes and eye protectors are worn at all times by personnel exposed or potentially exposed to contaminated soil.
3. If concrete or asphalt paving is to be cut and broken, eye and ear protectors and gloves are worn by all personnel operating the equipment or within 20 feet of the location of such operations.



HEXIPHAN AND ASSOCIATES, INC.
 CONSULTING ENGINEERS AND PLANNERS

CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BLVD.
 CAPISTRANO BEACH, CALIFORNIA 92624

PROPOSED SOIL BORING LOCATIONS

SCALE 1" = 10'

FIGURE 2

June 4, 1990

4. Hard hats, gloves and safety shoes are worn by all personnel working with or near heavy and high-lifting equipment, and when using hand or motor-driven tools, as appropriate.
 5. Any individual coming in contact with contaminants immediately washes the exposed area with water to remove the contaminant and prevent possible absorption by the skin.
 6. Any individual splashed with hydrocarbon such that clothes are wetted in contact with skin is removed from the job site and taken to obtain a soap and water shower and clean clothing so that prolonged skin contact is avoided.
 7. Any individual getting hydrocarbon or other hazardous or toxic substance in the eyes, on the face or in the mouth immediately washes the exposed areas and rinses the eyes and/or mouth with ample clean water to remove all traces of contaminant.
 8. Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in any area designated contaminated, or potentially contaminated.
 9. Medicine and alcohol can potentiate the effects of exposure to toxic chemicals. Personnel taking prescription drugs should be cleared for work in potentially chemical-contaminated atmospheres, and for the use of personal protective equipment prior to being assigned to such activities. Alcoholic beverage intake should be minimized or avoided during operations which may require the use of personal protective equipment or work in chemical-containing atmospheres.
 10. Consumption of alcoholic beverages, or intoxication on HAI projects is prohibited.
- G. Level "D" Health and Safety Procedures are Observed When Excavation of Subsurface Soils is Involved, Including:
1. No individuals are permitted to enter any excavation more than four feet deep unless the excavation has been suitably shored or 2:1 or greater slopes have been provided. When shoring an excavation, shoring personnel must wear safety lines and be tended by two individuals atop the excavation. If the excavation is unstable, no individual may enter the excavation unless suitable cutback slopes have been developed so that caving cannot take place.
 2. Hard hats, heavy work gloves and safety shoes are worn when working with safety equipment and motor-driven tools and implements. Safety glasses are worn whenever there is any possibility of flying chips, dust, sand or contaminated liquids splashing.

June 4, 1990

3. No work will be performed in or near an excavation unless two individuals are present or a second individual is within shouting distance at all times.
4. No individuals may enter or work in confined spaces when volatile vapors are present. Spaces must be either ventilated or contaminants removed before individuals may enter.

H. Level "C" Health and Safety Procedures (If Necessary):

Ambient air monitoring is to be conducted, when appropriate, for the presence of flammable vapors within the jobsite. Monitoring will be conducted using an Organic Vapor Analyzer (OVA) capable of detecting total hydrocarbon vapors in units readily related to the Lower Explosive Level (LEL) of vapors present in air. Monitoring is to be conducted at the start of any jobsite/operation for which the presence/generation of flammable vapors is likely. Monitoring is to continue during any work which presents the potential for contact with flammable vapors.

Work shall be halted, and ventilation or other appropriate engineering controls instituted when 10% of LEL vapor concentration is measured at the worksite; emergency activities, and activities to complete work in progress which would be compromised, or constitute safety hazards if terminated immediately may continue. Any work completed under these conditions must be conducted with appropriate safety measures utilized to compensate for the safety hazard present. Level "C" protection procedures will be observed, including:

1. Respirators with carbon filters, eye protectors, gloves and protective clothing will be worn by all personnel working in the excavation area, as appropriate.
2. No individuals are permitted to enter the working area other than the designated personnel working inside the excavation area.
3. Water will be sprayed around and inside the excavation areas to control dust, mist and/or vapor within and outside the confined area.
4. Disposable protective cover clothing will be worn by all personnel in the working area to minimize the body exposure to hydrocarbon vapors, when necessary.
5. All work on-site is to be suspended, the workzone evacuated, and further engineering controls instituted if air monitoring indicates 25% of LEL vapor concentration is present at the worksite.

June 4, 1990

I. Pre-Construction Health and Safety Meeting:

All personnel will attend an initial safety meeting on-site prior to the start of any work on the first day of the project, at any time at which it is established that hazards exist on-site which were not anticipated or recognized at the date of the previous safety meeting, prior to commencing any phase of work activity which has the potential to present significantly different safety hazards than those discussed in prior safety meetings, and at any time thereafter that the site safety officer deems appropriate.

J. Threshold Limit Values

Threshold limit values refer to airborne concentrations of substances and represent conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. Values for petroleum hydrocarbons and related compounds are listed below in Table 1. The information is published by the American Conference of Governmental Industrial Hygienists (ACGIH).

TABLE 1
Adopted Threshold Limit Values (ACGIH)

Name	TWA ¹ , ppm	STEL ² , ppm
Gasoline	300	500
Lead	---	13
Diesel	Not Listed	Not Listed
Waste Oil	Not Listed	Not Listed
Benzene	10	---
Toluene	100	150
Ethyl Benzene	100	125
Total Xylenes	100	150

NOTES: ¹TWA - Time Weighted Average concentration for a normal eight hour workday to which nearly all workers may be repeatedly exposed without adverse effect.

²STEL - Short Term Exposure Limit, the concentration to which workers can be exposed continually for a short period of time (15-30 minutes) without suffering from possible health hazards.

June 4, 1990

K. Availability of This Health and Safety Plan

A copy of this plan is to be posted in a conspicuous place on the jobsite, such that it is available to all personnel on-site. HAI employees will be familiar with all conditions set forth herein. HAI subcontractor personnel are to be made aware of this plan, and their responsibility to comply with its provisions prior to work on HAI projects.

Should you have any questions, please contact us at your convenience.

Very truly yours,

HEKIMIAN & ASSOCIATES, INC.



Kenneth K. Hekimian, Ph.D., P.E.
President

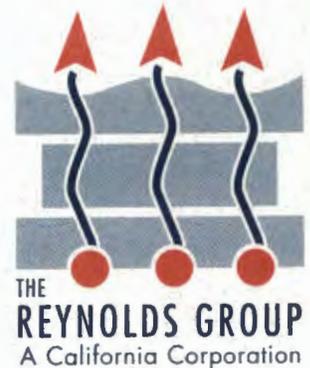


KKH/sqx

cc: Mr. Edward Rooney, Capistrano Unified School District

July 7, 1998

Mr. James C. Strozier
Hazardous Waste Specialist
**ORANGE COUNTY HEALTH
CARE AGENCY**
Environmental Health Division
2009 East Edinger Avenue
Santa Ana, California 92705



**PROPERTY: CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BOULEVARD, CAPISTRANO, CALIFORNIA**

SUBJECT: INTERIM SOURCE REMOVAL ACTION PLAN

Dear Mr. Strozier,

Capistrano Unified School District has requested your immediate attention to this letter. We request that you formally approve in writing Capistrano Unified School District's plan to perform an interim source removal action that includes soil excavation to address gasoline impacted soil at the subject property.

BACKGROUND

As you are aware, after a span of almost a decade, the underground storage tanks at the subject property are being upgraded and the last two old tanks were removed last week. Approximately eight (8) years ago, two tanks were removed and gasoline/diesel impacted soils were discovered beneath the site.

After the two tanks were removed, a "Site Assessment Report and Remedial Action Plan" was prepared and submitted on August 6, 1990 by Hekimian & Associates, Inc. (Hekimian) to address the impacted soils. The report concluded "that Borings B-2, B-3, B-4, and B-5 show insignificant levels of both TPH and BTEX. Therefore, the extent of the contamination plume is adequately defined. The contamination is limited to the immediate vicinity of B-1 from the surface to between 20 and 25 feet below grade. It is indicated that the most efficient remediation method is localized excavation." Hekimian concluded (like you told us in the field last week) that the extent of contaminated soil was adequately characterized. A copy of the figure entitled "Boring Profiles" from the 1990 Hekimian report is included with this letter petition.

Since 1990, the only action that has been taken with respect to the subsurface environmental issues at the property is that a single groundwater monitoring well was installed. The historical results of the sampling of the well are attached to this letter. You and we agree that the groundwater is impacted. Our client elected to defer further subsurface investigations until after the remaining two old tanks were removed from the ground.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"

July 7, 1998

page 2

CURRENT STATUS

In the last few days (July 1 through 3, 1998), the two remaining underground storage tanks at the site were removed. All of the soil sample analytical results from this recent underground storage tank removal were non-detect for all constituents tested. The initial results are attached to this letter. There are no other underground storage tanks known to us to be located on the premises that could continue to be a source of petroleum hydrocarbons leaking into the soil to the groundwater.

The only remaining source of petroleum hydrocarbons to the groundwater is the impacted soil above the groundwater identified by Hekimian in 1990 in the vicinity of their borings B1 through B-5.

As I write this letter, our client, Capistrano Unified School District has the ground uncovered in anticipation of upgrading the underground storage tanks with a new system that your agency has approved. The ground is open and all the soil sample results from the leftover two old tanks are "clean." It makes sense now to implement this interim source removal action.

PETITION TO PERFORM INTERIM SOURCE REMOVAL ACTION

We respectfully request permission to perform an interim source removal action by excavating the gasoline impacted soils beneath the location of the former tank in the area of assessed by Hekimian in 1990.

Our client has asked me if I would guarantee that your agency would not come back and require remediation of the soils at a later date if we did not recommend excavating the soils now. I could not provide such a guarantee. However, I do know from having worked in your jurisdiction for the last twelve years that more recently you have considered "source removal" to an effective way of reasonably addressing soils issues.

The soils beneath this site are silts and clays. Depth to groundwater is approximately 19 feet below the ground surface according to our sampling rounds. However, you will see from Hekimian's results that contamination extends to 30 feet below ground surface. Confined conditions may exist which means that groundwater may not be encountered until deeper than 19 feet below ground surface.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"

July 7, 1998

page 3

WORK PLAN FOR INTERIM SOURCE REMOVAL

We request your approval to remove the worst-impacted zone of soil (the "source") that can be reached with long reach excavating equipment, yet not compromise the integrity of the tire storage building and the vehicle maintenance building near the excavation.

This interim source removal plan is based on the premise that your agency will require some form of soil remediation in the worst impacted area because the groundwater is impacted "above your low risk criteria" in that one area. An interim source removal volume of 15 feet by 15 feet and 30 feet deep would substantially address the zone of petroleum impacted soil identified by Hekimian. This would equal approximately 350 tons of soil. We recommend that the 350 tons of soil be excavated.

Attached to this letter you will also find our plots of benzene and xylene concentrations with respect to depth. During the interim source removal action, we will take soil samples.

To further address the remaining "significantly impacted" groundwater, we plan to install a passive biological treatment regime in the excavation, using oxygen-releasing compounds (ORC). The ORC would be mixed into the soil backfill in accordance with the engineer's specification. The oxygen releasing compounds (ORC) would form a barrier and would further reduce your agency's concerns about the impact to groundwater. They will also further help stabilize the groundwater plume and accelerate the degradation of petroleum hydrocarbons.

INTERIM SOURCE REMOVAL MAKES SENSE

Excavating the existing petroleum-impacted silts and clays within a limited zone around the impacted groundwater well and the location of the worst impacted soil as delineated by Hekimian in the area of B-1 is a specific interim source removal approach. This approach will result in the substantial removal of non-aqueous-phase liquids (NAPL's) identified by Hekimian in B-1 at the property. Excavation followed by ORC is the best and most prudent way to force a dramatic reduction in the gasoline and BTEX detected in the groundwater monitoring well.

Doing the work now while the asphalt and concrete surfacing is removed and the tanks are being upgraded would be much more cost effective than performing the work after the upgrade project is completed and the transportation yard is back in operation.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY
"Interim Source Removal Action"

July 7, 1998

page 4

This interim and immediate source removal action makes sense versus other actions available such as "do nothing" or "soil vapor extraction." We do not know of any more cost-effective technologies than excavation followed by ORC that would specifically and exactly address the section of silt and clays that Hekimian identified to be the offending source of gasoline and BTEX impact to the groundwater. The estimated cost of the proposed action, at \$25,000, is a reasonable cost for our client to bear.

After the work is completed, it is highly unlikely that your agency will require any further action related to the soil contamination because there will be no feasible technical or economical way to further address the soil. Our client will have done all they can do to address the soil.

OUR THINKING RELATED TO FURTHER GROUNDWATER MONITORING

Naturally, the existing groundwater monitoring well will have to be demolished during the interim source removal action and then re-installed after the interim source removal action has been completed. It will be very difficult to install the well into the pea gravel backfill directly in the center of the excavation, so we plan to install a new groundwater monitoring well downgradient (i.e. to the west of Hekimian's B-1, closer to B-3). The ORC would act to assist in reducing the concentrations of benzene in the groundwater.

We hope your agency will not require further groundwater assessment because this interim source removal action addresses substantially all of the identified soil contamination and hence the remaining source of petroleum hydrocarbons to the groundwater. If your agency does require further groundwater assessment, then the assessment should be conducted in the form of "hydropunch" sampling. No additional permanent groundwater monitoring wells should be installed beyond the single groundwater well that we propose to re-install to the west of the existing well after this interim source removal action.

If the concentrations of petroleum in the groundwater stabilize as evidenced in the new well installed after the interim source removal action (regardless of the concentrations of gasoline and BTEX in the groundwater); then we recommend taking no further action with respect to the groundwater. The last remaining threat to groundwater will have been addressed by the interim removal action taken.

Mr. Jim Strozier, **ORANGE COUNTY HEALTH CARE AGENCY**
CAPISTRANO UNIFIED SCHOOL DISTRICT PROPERTY

"Interim Source Removal Action"

July 7, 1998

page 5

CONCLUSION

We request your approval to proceed with this plan next week. If you have any questions regarding this letter or its attachments, please call me at 714-730-5397. Our offices are located two minutes from yours and I always enjoy meeting with you in person.

Sincerely,

THE REYNOLDS GROUP

A California Corporation by:



F. Edward Reynolds, Jr.
Registered Civil Engineer

attachments



DEVELOPMENTAL

YOU CAN BE A PART OF THE SOLUTION



RECEIVED

JUL 08 1998

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

CHAIN OF CUSTODY
 Orange County Health Care Agency
 Environmental Health Division
 2009 E. Edinger Ave., Santa Ana, CA 92705
 Telephone: (714) 667-3700

80702 B

- ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.
- PLEASE WRITE LEGIBLY.
- ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

5. TO BE COMPLETED BY SAMPLE COLLECTOR

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):
 CHILLED: _____ COUNTY SEAL(S) INTACT: Yes
 CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

SITE NAME/ADDRESS: Cap U. S.D.
26126 Victoria Blvd.

DATE OF COLLECTION: 7/2/98

SAMPLE COLLECTOR/COMPANY: Retail Lopez
The Reynolds Group

TELEPHONE NO.: 730-5397

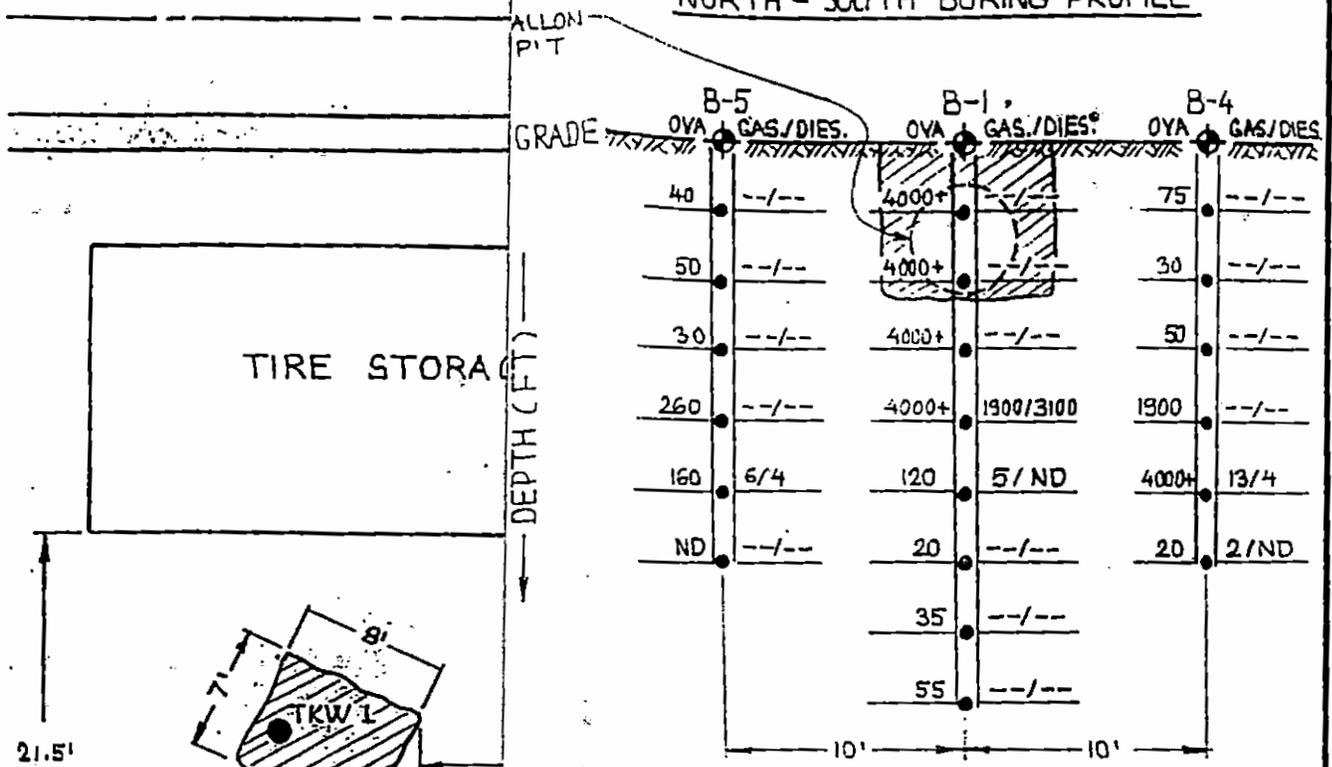
HCA REPRESENTATIVE: J. Storz

667-3711

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
1 GSI	TPH, 8020 (MTBE)	DTSC - TPH method for	
2 GNZ		Gasoline + Diesel +	
3 OSI		GPA method 8020 for	
4 PS2		BTXE + MTBE	
5 DW1		Identify tea tea	
6 SPG		peaks on 8020	
7 SPD			

CHAIN OF CUSTODY		
1. <u>[Signature]</u> SIGNATURE	<u>[Signature]</u> COMPANY/AGENCY	<u>7/2/98</u> INCLUSIVE DATES/TIMES
2. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98</u> INCLUSIVE DATES/TIMES
3. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98 14:00hrs</u> INCLUSIVE DATES/TIMES
4. <u>[Signature]</u> SIGNATURE	<u>The Reynolds Group</u> COMPANY/AGENCY	<u>7/2/98 14:00hrs</u> INCLUSIVE DATES/TIMES
5. <u>[Signature]</u> SIGNATURE	<u>C & E Lab.</u> COMPANY/AGENCY	<u>7-2-98 14:00</u> INCLUSIVE DATES/TIMES
6. _____ SIGNATURE	_____ COMPANY/AGENCY	_____ INCLUSIVE DATES/TIMES

NORTH - SOUTH BORING PROFILE



HYDROCARBONS (BTEX , mg / kg)

TOLUENE	ETHYL BENZENE	XYLENE
190	55	420
0.1	ND	ND
ND	ND	ND
ND	ND	ND
3.4	0.8	4.3
0.9	0.6	2.2
ND	ND	ND
0.5	0.3	0.3
ND	ND	ND
0.2	ND	0.2
ND	ND	ND

N&A ASSOCIATES, INC.

16571 Gemini Lane
Huntington Beach, CA 92647
(714) 841-6288
FAX (714) 848-2603

ENGINEERS AND ENVIRONMENTAL PLANNERS

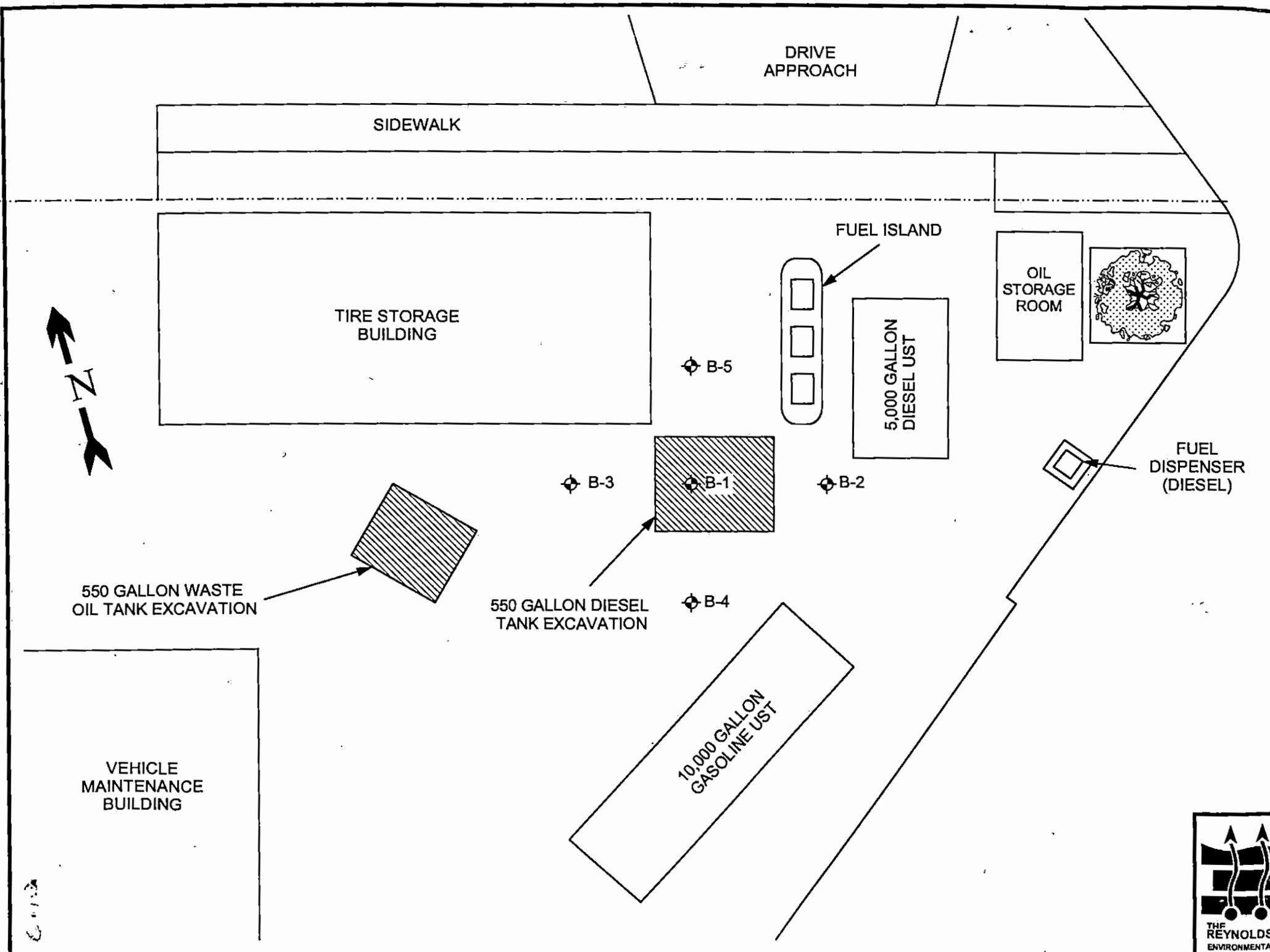
APPROVED BY: _____
5/90

DRAWN BY: Y.S.
REVISED

AND UNIFIED SCHOOL DISTRICT
VICTORIA BLVD., CAPISTRANO, CA

PROFILES

DRAWING NUMBER
FIGURE 2



DRIVE APPROACH

SIDEWALK

TIRE STORAGE BUILDING

FUEL ISLAND

OIL STORAGE ROOM

5,000 GALLON DIESEL UST

FUEL DISPENSER (DIESEL)

B-5

B-3

B-1

B-2

550 GALLON WASTE OIL TANK EXCAVATION

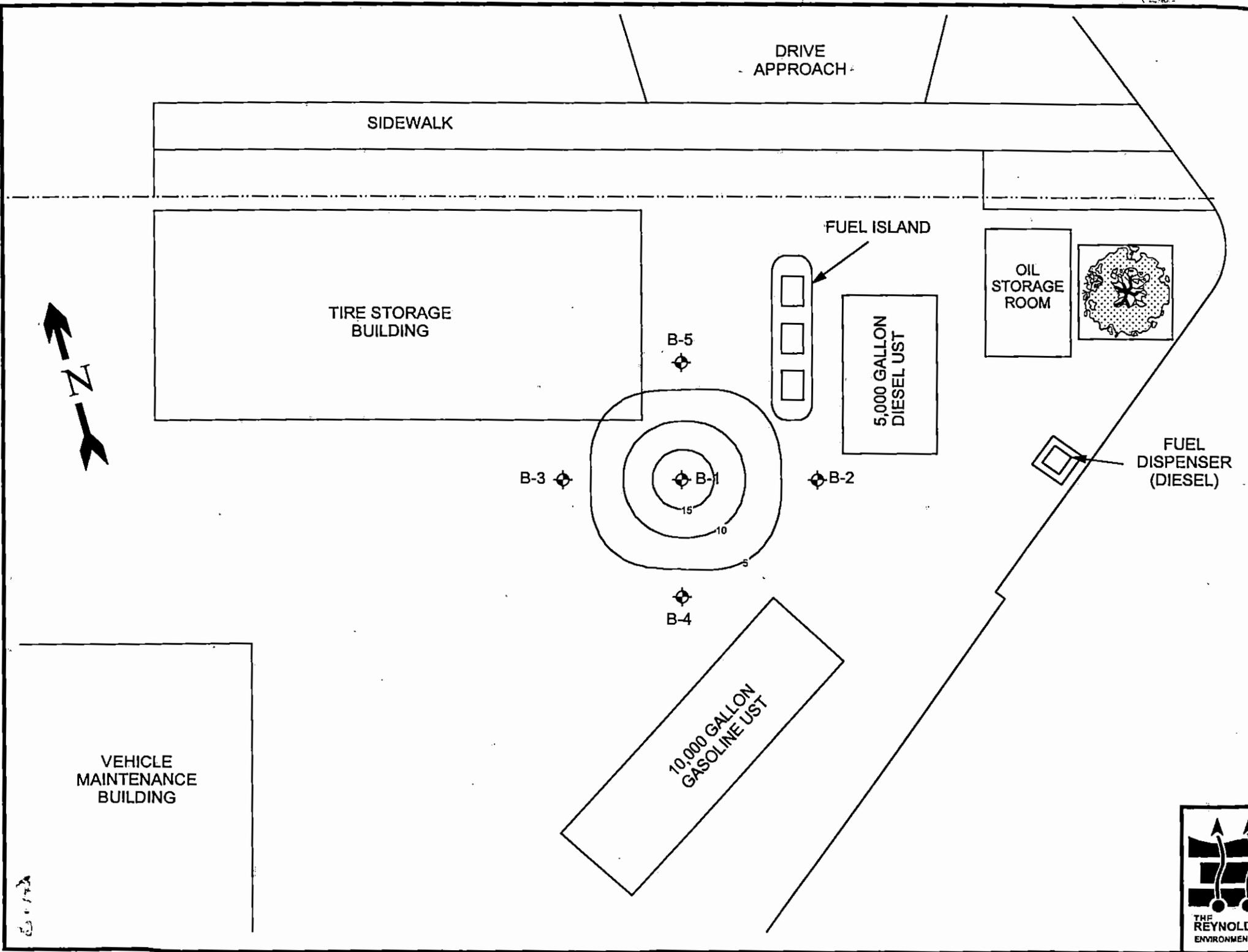
550 GALLON DIESEL TANK EXCAVATION

B-4

10,000 GALLON GASOLINE UST

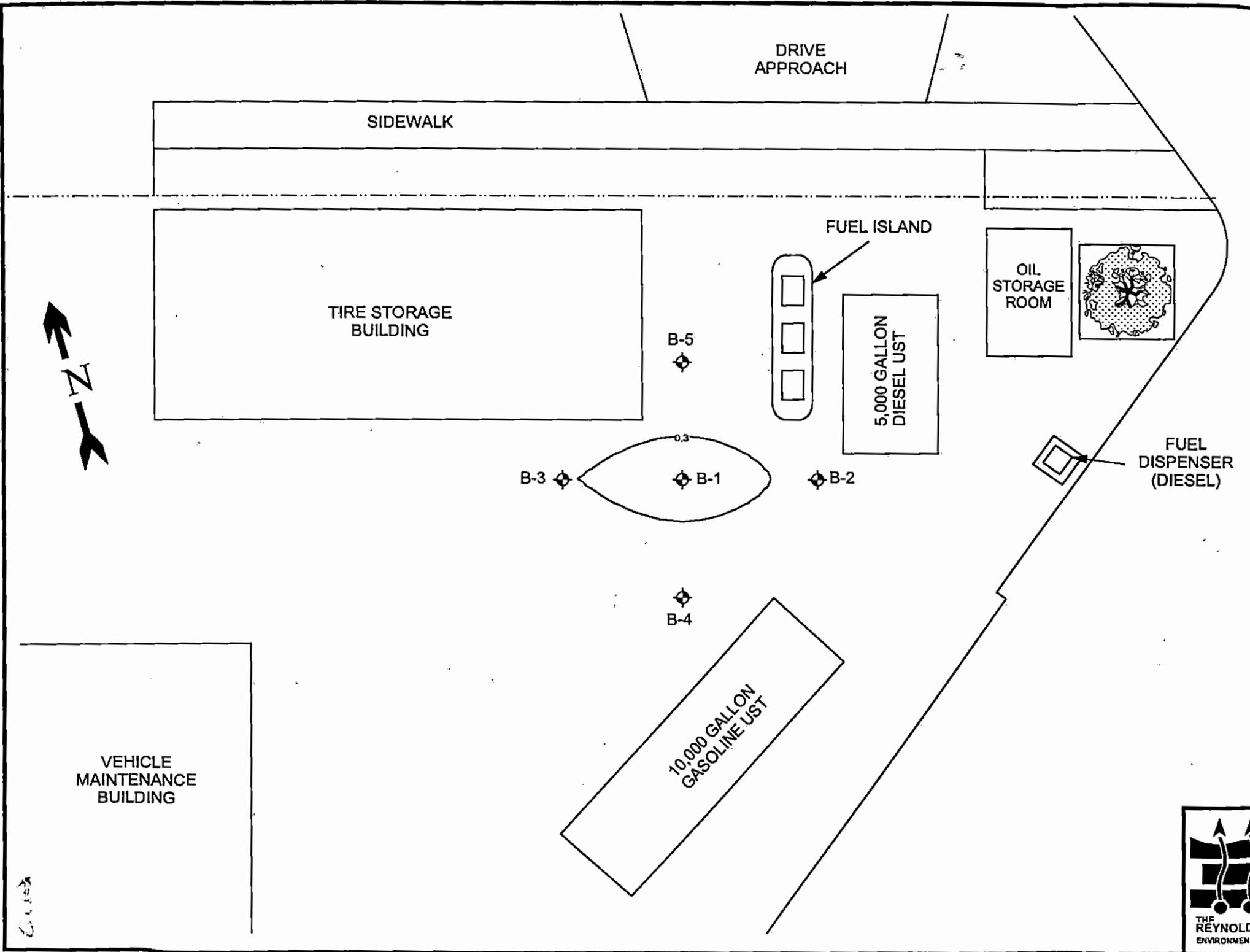
VEHICLE MAINTENANCE BUILDING





6.17.2





DRIVE APPROACH

SIDEWALK

TIRE STORAGE BUILDING

FUEL ISLAND

OIL STORAGE ROOM

5,000 GALLON DIESEL UST

FUEL DISPENSER (DIESEL)

B-1

B-5

B-3

B-2

B-4

VEHICLE MAINTENANCE BUILDING

10,000 GALLON GASOLINE UST



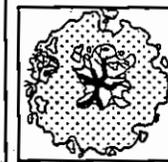
DRIVE
APPROACH

SIDEWALK

TIRE STORAGE
BUILDING

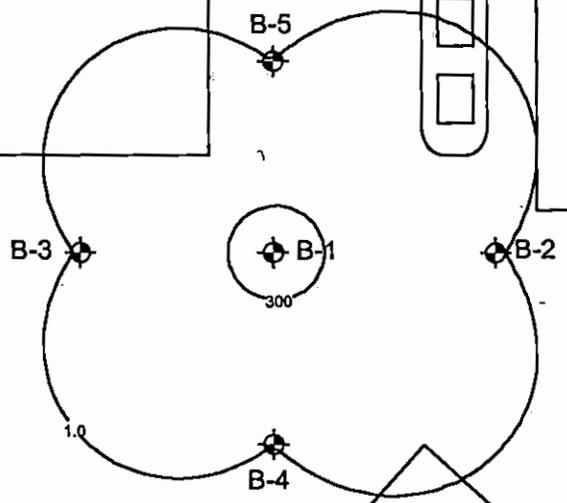
FUEL ISLAND

OIL
STORAGE
ROOM



5,000 GALLON
DIESEL UST

FUEL
DISPENSER
(DIESEL)



VEHICLE
MAINTENANCE
BUILDING

10,000 GALLON
GASOLINE UST



6/10/84

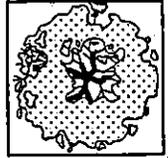
DRIVE
APPROACH

SIDEWALK

TIRE STORAGE
BUILDING

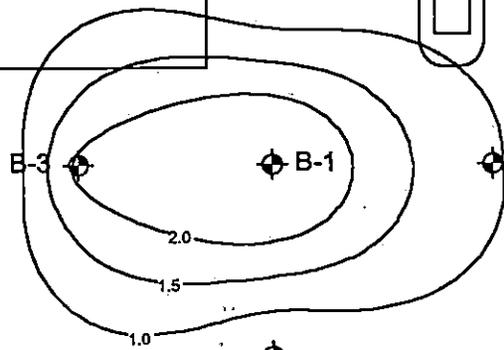
FUEL ISLAND

OIL
STORAGE
ROOM



5,000 GALLON
DIESEL UST

FUEL
DISPENSER
(DIESEL)



B-5

B-1

B-2

B-3

B-4

10,000 GALLON
GASOLINE UST



VEHICLE
MAINTENANCE
BUILDING

6-1-00



**TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA**

WELL ID	SAMPLE DATE	ELEVATION OF TOP OF CASING ¹	DEPTH TO GROUND-WATER ²	GROUNDWATER SURFACE ELEVATION ³
MW-1	12/28/95	NA ⁴	20	NA
MW-1	4/1/96	NA	19.11	NA
MW-1	7/15/96	NA	19.44	NA
MW-1	10/11/96	NA	20.07	NA
MW-1	1/29/97	NA	19.01	NA
MW-1	4/22/97	NA	18.62	NA
MW-1	8/6/97	NA	19.84	NA
MW-1	11/25/97	NA	19.49	NA
MW-1	1/21/98	NA	19.37	NA

- Notes:
1. Casing elevation has not been measured.
 2. Groundwater depths are given in feet below top of casing.
 3. Relative to mean sea level.
 4. NA = Not Applicable

TABLE 2
ANALYSES OF GROUNDWATER SAMPLES
BY EPA METHODS 8015 MODIFIED AND 8020 WITH MTBE
RESULTS REPORTED IN PARTS PER MILLION (mg/L)

WELL ID	SAMPLE DATE	ANALYZED COMPOUNDS						
		TPH AS DIESEL ¹	TPH AS GAS ²	B ³	T ³	E ³	X ³	MTBE ⁴
MW-1	12/28/95	ND ⁵	23.00	3.2823	8.3978	0.2751	4.2884	NA ⁶
MW-1	4/1/96	ND	0.600	0.2223	0.0051	0.0222	0.0037	ND
MW-1	7/15/96	ND	1.900	0.7118	0.0444	0.0671	0.0502	ND
MW-1	10/11/96	ND	2.100	0.6273	0.0503	0.0299	0.0627	ND
MW-1	1/29/97	ND	2.899	0.8411	0.3149	0.0087	0.2276	.043
MW-1	4/23/97	ND	1.063	0.6173	0.0081	0.0051	0.0049	.011
MW-1-NP ⁸	8/6/97	ND	39.47	14.312	1.4718	3.0213	1.2515	.209
MW-1	11/25/97	NA	45.04	15.203	5.2010	3.5199	1.3384	.120
MW-1	1/21/98	ND	21.197	9.664	0.506	2.369	0.332	0.042

- Notes: 1) TPH as diesel analyzed according to EPA Method 8015 modified for diesel, ppm.
2) TPH as gasoline analyzed according to EPA Method 8015 modified for gasoline, ppm.
3) Benzene, toluene, ethylbenzene and xylenes (BTEX) analyzed according to EPA Method 8020, ppm.
4) Methyl tertiary butyl ether analyzed according to EPA Method 8020, ppm.
5) ND = compound not detected above specified detection unit.
6) NA = compound not analyzed.
7) Disposable bailer used, therefore no blank generated.
8) NP = Sample taken without purging.

RECEIVED
JUL 8 1998

ENVIRONMENTAL HEALTH
HEALTH CARE AGENCY

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

JUL 08 1988

RECEIVED

FIELD ACTIVITY DESCRIPTION

Capistrano U.S.D. Transportation Yard, 26126 Victoria Blvd. Cap. Beach
Facility Name

PC # 98RC224 TI # _____ LUST # _____ IR # _____

Inspector: J. Strawn Date: 7/2/88 Time: _____

Field Activity: Removal of 2 UST's. The UST's were removed and soil samples were collected as shown on the attached map. The native dark soil did not have any signs of contamination. The sandy fill in the diesel tank had a slight odor of diesel & a sample DS1 was collected. The tanks were in fairly good condition and no holes or major corrosion was observed.

(See attached plot plan)

Orange County Health Care Agency
Environmental Health Division
Underground Tank Removal Form

Capistrano U.S.D. Transportation Yard, 28266 Victoria, Cap. Blvd.
Facility Name

PC # 98PC224 TI # _____ LUST # _____ IR # _____

Inspector: J. Strzisar Date: 7/2/98 Time: _____

Cross Street _____ Site Telephone Number _____

Owner _____ Address _____

Contact Person _____ Telephone Number _____

Operator (if different than owner) _____ Telephone Number _____

Consultant or Contractor Company _____ Contact Person _____ Telephone Number _____

Tank #1: <u>5,000</u>			<u>Drum</u>	Tank #4: _____		
Size	Const. Mat.	Mat. Stored		Size	Const. Mat.	Mat. Stored

Tank #2: <u>10,000</u>				Tank #5: _____		
Size	Const. Mat.	Mat. Stored		Size	Const. Mat.	Mat. Stored

Tank #3: _____				Tank #6: _____		
Size	Const. Mat.	Mat. Stored		Size	Const. Mat.	Mat. Stored

Depth to Groundwater: _____ Fate of Piping: _____

Proposition 65 Required? _____ Prop. 65 Form Submitted on: _____

Fire Dept. Personnel On-site: Barbara Weiner of O.C.F.A.

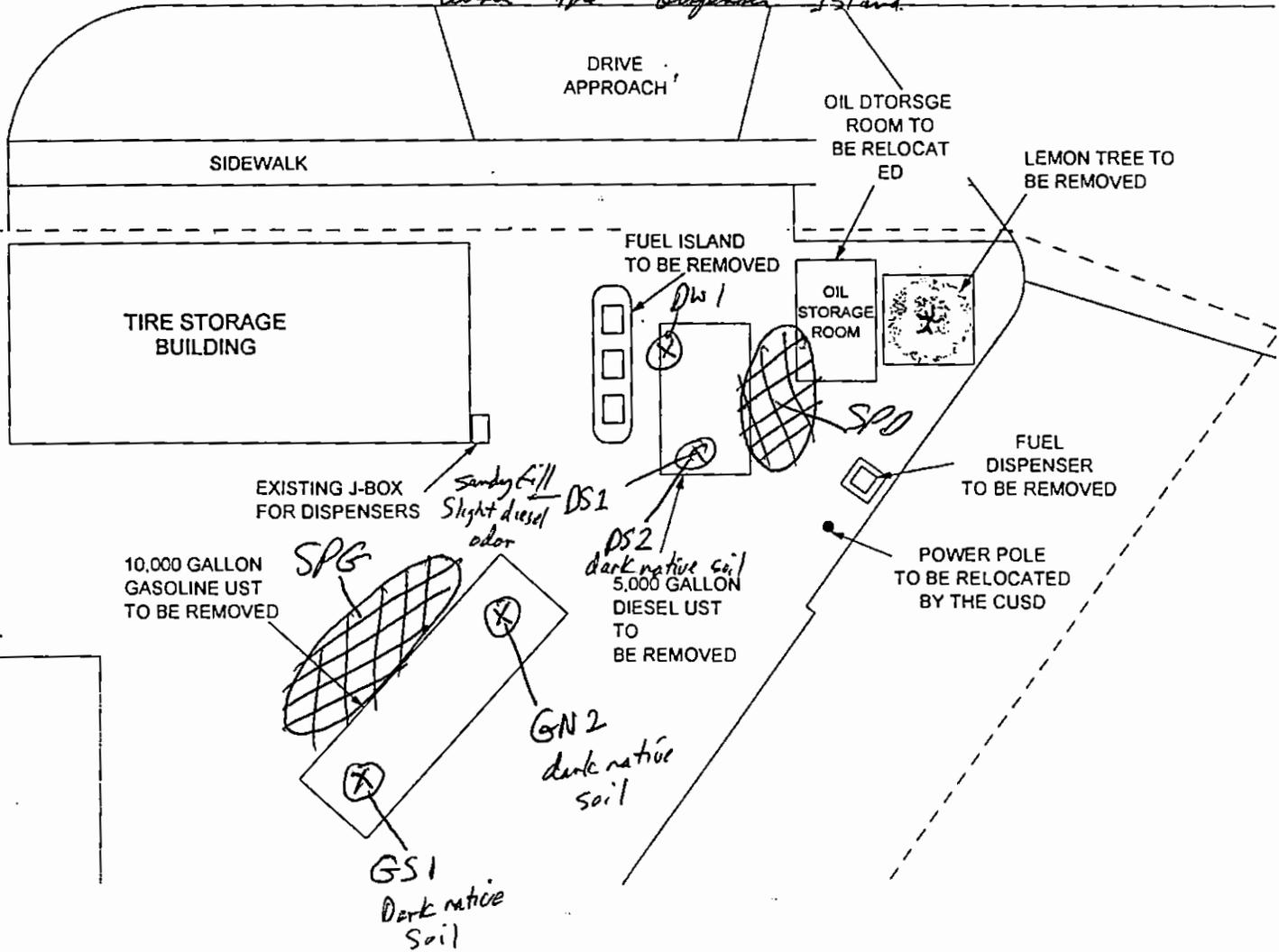
Ambient Air Readings on Field Instrument: _____

Other Information: _____

REMOVE GENERAL LAYOUT

SCALE 4" = 40'

The 5000 Gallon Fuel tank was actually located under the suspension Island.



Capistrano USD Transportation Yard
36126 Victoria Blvd
Capistrano Beach CA

705006 5000 GALLON DIESEL UST
REMOVED 11/15/01

Capistrano USD Transportation Yard
36126 Victoria Blvd
Capistrano Beach CA

CHAIN OF CUSTODY
 Orange County Health Care Agency
 Environmental Health Division
 2009 E. Edinger Ave., Santa Ana, CA 92705
 Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.
2. PLEASE WRITE LEGIBLY.
3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

5. TO BE COMPLETED BY SAMPLE COLLECTOR

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: Y

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

SITE NAME/ADDRESS: Cap USD
26126 Wilshire Blvd

DATE OF COLLECTION: 7/2/98

SAMPLE COLLECTOR/COMPANY: Robert Lopez
Pro Bay, Inc Group

TELEPHONE NO.: 714-55-99

HCA REPRESENTATIVE: J. Shrazier
667-3711

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
G51	TPH, 8020 (MTBF)	DT.SG. TPH method SA	
G22		Gasoline + Diesel +	
D51		SPD method 8020 for	
D52		BTX + MTBF	
DW1		Identify top ten	
SP6		peaks on 8020	
SPD			

7.

CHAIN OF CUSTODY

1.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
	<u>[Signature]</u>	<u>HCA/Env H/4</u>	<u>7/2/98</u>
	<u>[Signature]</u>	<u>Pro Bay, Inc Group</u>	<u>7/2/98</u>
	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
 PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY



COUNTY OF ORANGE

LOM UMAM DIRECTOR

HUGH F. STALLWORTH, M.D. HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION ROBERT E. MERRYMAN, REHS, MPH DEPUTY DIRECTOR

HEALTH CARE AGENCY PUBLIC HEALTH SERVICES ENVIRONMENTAL HEALTH DIVISION 2009 E. EDINGER AVENUE SANTA ANA, CALIFORNIA 92705 (714) 867-3700

DATE: 6/25/98

FACILITY MODIFICATION APPLICATION (INSTALLATION/REMOVAL/REPAIR) (COMPLETE PAGES 1 & 2)

FACILITY INFORMATION

NAME: Capistrano USD Transportation YARD STREET ADDRESS: 26126 Victoria Blvd CITY: Capistrano Beach CA TOTAL NUMBER OF TANKS (AFTER INSTALLATION/REMOVAL) AT THIS LOCATION: TWO

TYPE OF BUSINESS:

- GASOLINE STATION FARM GOVERNMENT OTHER

TANK OWNER NAME (CORP., INDIVIDUAL, PUBLIC AGENCY):

City of San Juan Capistrano STREET ADDRESS: 37972 Calle Perfecto CITY: San Juan Capistrano STATE: CA ZIP

TELEPHONE NO: (949) 489-7286

BILLING ADDRESS INFORMATION

BILL TO NAME: JEM DEGASSING BILL TO ADDRESS: 24122 Angela Street CITY: Lake Forest STATE: CA ZIP 92630 TELEPHONE NO.: (949) 551-8114

TYPE OF CONSTRUCTION

INDICATE NO. OF TANK(S) BEING REMOVED/REPAIRED/INSTALLED BELOW: (COMPLETE PAGE 2 - INDICATING THE TANKS TO BE INSTALLED/REMOVED, OR AFFECTED BY THE REPAIR)

- INSTALLATION(S) REPAIR(S)/RELINING(S) TO USTs CLOSURE(S)/REMOVAL(S) - 2 SYSTEM MODIFICATION (E.G. REPIPE, REPAIR TO PIPING) OTHER (SPECIFY)

24 HOUR EMERGENCY CONTACT PERSON

DAYS: MARK STROCKIS (949) 551-8114 NAME TELEPHONE NIGHTS: MARK STROCKIS (714) 842-4007 NAME TELEPHONE

APPLICANT

NAME: MARK STROCKIS PLEASE PRINT

SIGNATURE: [Signature]

COMPANY NAME: JEM DEGASSING TELEPHONE NO: (949) 551-8114

FACILITY OPERATOR (CONTACT PERSON)

NAME: MARK BAUER BUSINESS TELEPHONE NO.: (949) 489-7369

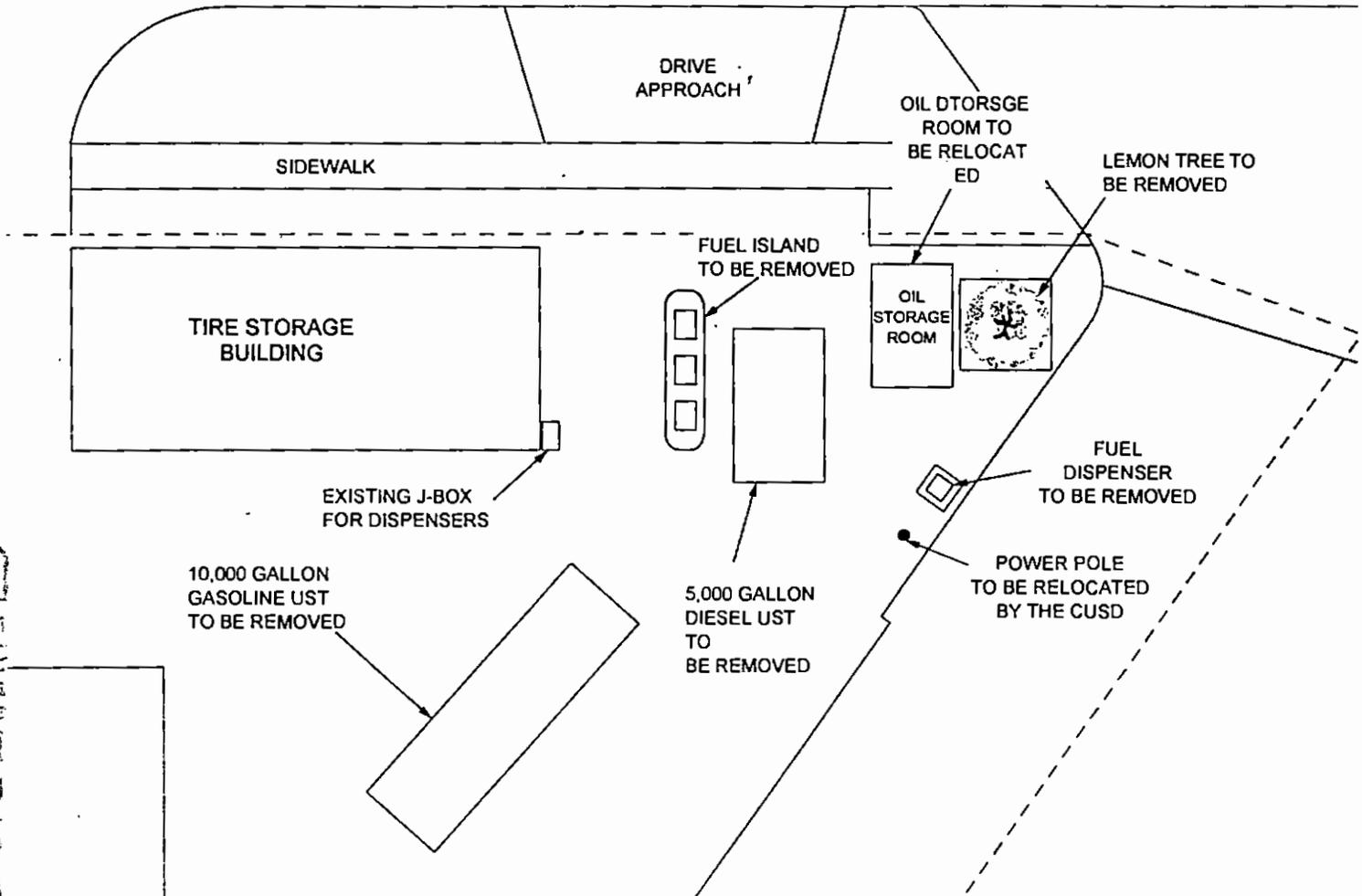
NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED.

PLAN CHECK NO.: 150573 FEES PAID: \$280 RCVD. BY: MB PLAN APPROVAL DATE: NUMBER OF TANKS TO RECEIVE A SURCHARGE BILL: NUMBER OF TANKS TO BE ADDED TO BILLING:

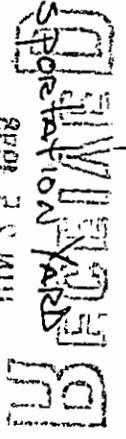
REMOVE GENERAL LAYOUT

SCALE 1" = 10'



Capistrano USD Transportation Yard
26126 Victoria Blvd
Capistrano Beach CA

ENVIRONMENTAL HEALTH
HEALTH CARE AGENCY
8001 23 MILE



RECEIVED
JUN 25 1998

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH DIVISION

HAZARDOUS MATERIALS MANAGEMENT SECTION

2009 E. EDINGER AVENUE

SANTA ANA, CA 92705-4720

(714) 667-3700

- Haz. Waste
- UST
- T.P.

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK FOLLOW-UP INSPECTION REPORT

FILE # _____ ACCOUNT # _____ EPA I.D.# _____

FACILITY Capistrano Unified School District PERMIT # _____

STREET 26126 Victoria Blvd. Transportation Yard MAP COORDINATES _____

CITY Capistrano Beach ZIP 92624 DISTRICT _____

HAZARDOUS WASTE INSPECTION TYPE _____ # OF UST ON-SITE 2-0 UST INSPECTION TYPE 7

NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE _____

STATUS TYPE _____ EXEMPT TYPE 0 STATUS TYPE 5

EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

Onsite for Removal of 2 UST's

Barbara Meiner of O.C.F.A. authorized the removal this date

This site is already a clean up
Cost \$ 904728

ACTIVE ICRS # _____ INSPECTOR # 153 NAME J. Strozzer DATE 7/2/09

I declare that I have read and received a copy of this inspection report

Print Name _____

Title _____

Signature _____

Date _____

Orange County Health Care Agency
 UNDERGROUND STORAGE TANK INSPECTION REPORT

DBA: _____

Capistrano U.S.D. Transportation Yard

ADDRESS: _____

26126 Victoria Blvd

: _____

Capistrano Beach

FILE NO: _____

ACCOUNT NO: _____

EPA #: _____

HCA TANK ID#	CODE	TANK #	CODE	TANK #	CODE	TANK #
1			2			
!FACILITY TANK ID						
!MATERIAL STORED						
!Currently						
!Previously		<i>DOT 1913</i>		<i>DOT 1203</i>		
!Waste or Product						
!FUEL TYPE						
!EXEMPT TYPE						
!Double/Single Wall						
!Compartment No.						
!Year Installed						
!Vault/Not Vaulted						
!Primary Wall:						
!Manufacturer						
!Capacity / Gallons		<i>5000</i>		<i>10000</i>		
!Construct Material						
!Interior Lining						
!Secondary Wall:						
!Manufacturer						
!Capacity / Gallons						
!Construct Material						
!Corrosion Protectn						
!Leak Detect: Type						
!Manufacturer						
!PIPING:						
!Dispenser/Tank Fill						
!Double/Single Wall						
!Primary Wall:						
!Construct Material						
!Manufacturer						
!Secondary Wall:						
!Construct Material						
!Manufacturer						
!Dispense Cont(Y/N)						
!Leak Detect: Type						
!Manufacturer						
!TYPE OF OVERFILL						
!PROTECTION						
!SPILL						
!CONTAINMENT						
!MONITORING						
!METHOD	<i>35</i>	<i>Removed</i>		<i>→</i>		
!LAST TANK TEST						
!STRIKER PLATE(Y/N)						
!1998 UPGRADE (Y/N)						

INSPECTION DATE: *2/2/98*

PAGE *2* OF *2*

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano H. S.D.

Address: 2626 Victoria

City: Dana Pt State: Ca Zip: _____

Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
7/11/00	JLS	option we did previously was to put "See note" & add an explanation about this. I faxed her a copy of the old closure & she said she would get back to me about this.
7/12/00	JLS	Discussed case with S. Pringle & what Sue Pease wanted modified on the closure. He said he would call John Anderson & discuss these issues.
7/13/00	JLS	S. Pringle discussed his phone call to John Anderson & some changes to be made to the closure summary. Modified closure summary and gave to supervisor for review.
7/19/00	JLS	Received closure back & obtained Karen Hadeli's signature. Faxed closure to S. Pease again.
7/24/00	JLS	Received message from Sue Pease that she reviewed the revised closure & concurs with closure of the case. Disanded 85+ closure. Called James Cannon of Cap U.S.D. & I/m about this. Prepared closure letter, updated 53L & gave to K. Hadeli for signature.

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano Unified School District

Address: 26126 Victoria

City: Dana Pt State: CA Zip:

Contact Person(s): Phone:

Date	Staff	Activities/Comments
3/28/00	JL	Reviewed file & updated MTRBE data list from the S.W.H.C.B.
5/9/00	JL	Reviewed case & copied portions of the file. Discussed case with K. Hodel, S. Daugherty & B. Dickmann. I was decided that we should try to close the case with the information available.
5/25/00	JL	Began reviewing case for closure.
5/31/00	JL	Began preparing closure summary.
6/1/00	JL	Completed closure report. Copied site maps, tables, etc. & gave to supervisor for review.
6/14/00	JL	Received & filed original table for grow. data as requested.
7/5/00	JL	Received approved closure summary from K. Hodel. Faxed closure to Sue Pease, S.D.P.W. @ C.B.
7/11/00	JL	Sue Pease called & we discussed the case & she said they need a "No" marked in the beneficial use & potential use row on the closure & then a note to explain this. I discussed another

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano Unified School District
 Address: 26126 Victoria
 City: Dana Pt. State: Ca. Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
1/26/00	JCS	<p>Went to the site & observed a pre-purge sample of the well. There was some slight odors of hydrocarbons in the water sample.</p> <p>T. Leach of the Reynolds Group conducted the sampling.</p>
2/15/00	JCS	<p>Called Ed Reynolds & discussed a post-purge sample. He said he would send someone out also to get this.</p> <p>Reviewed the Feb 2, 2000 Groundwater Monitoring Report from the Reynolds Group. The given concentrations are very low. The data table was not updated with the previous data as requested.</p> <p>Called Ed Reynolds & he said he would have this updated tomorrow & sent to us. After I get this, I will have this reviewed in the site review committee meeting.</p>
2/25/00	JCS	<p>Reviewed Feb. 18, 2000 Faxed letter from the Reynolds Group & the attached revised table. Inserted table into last report.</p>
3/2/00	JCS	<p>John Ford of the Reynolds Group called & asked several questions about the data.</p>

ACTIVITIES REPORT

Company Name: Capistrano Unified School District
 Address: 26126 Victoria Blvd.
 City: Cap. Beach State: Ca Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
3/10/99	JL	Reviewed the Jan 30, 1998 Groundwater Monitoring Report from The Reynolds Group. Called Ed Reynolds & asked him to include the data for the old well MW-1 in the table in the next report. He said he would do this.
4/14/99	JL	Reviewed the March 29, 1999 letter from C.U.S.D. They are the property owners.
10/8/99	JL	Thomas Cannon called & said that they were hiring The Reynolds Group again to do the groundwater monitoring. He would send a letter.
10/18/99	JL	Reviewed the Oct. 7, 1999 letter from Cap. U.S.D.
12/17/99	JL	Reviewed the Nov 24, 1999 GW-monitoring Report from The Reynolds Group. Concentrations have greatly decreased. Called Ed Reynolds & asked them to do pre-purge & post-purge sampling during one of the next sampling events & to show where the old well was on the map.

ACTIVITIES REPORT

Company Name: Capistrano Beach U.S.D.
 Address: 26126 Virginia Blvd
 City: Cap Beach State: _____ Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
7/14/98	JCS	an approval letter with conditions & sent for mailing & forward to Mark Bauer.
7/15/98	JCS	Frank Strober called & said they would start the excavation this Friday 7/12/98. He called back later & changed the start date to 7/20/98
7/20/98	JCS	Went to the site & observed the completion of the excavation project. The hole was very narrow but extended to 29 ft. Took photos of the excavation. The consultant Rafael Lopez took soil samples from the sidewalls.
12/2/98	JCS	Reviewed file & we have not gotten any report or updates on the case on the excavation. Called Ed Reynolds & he said he thought that a report was sent several months ago. He said he would send one by next week, etc.
1/12/99	JCS	Reviewed the Sept 14, 1998, UST Closure Report Report on Infirm Source Removal & Groundwater Well Installation from The Reynolds Group. This was attached to a Jan 4, 1999 letter from Ed Reynolds. Prepared letter directing additional groundwater monitoring - Called Rafael Lopez & discussed the case briefly.

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano Beach U.S.D.
 Address: 26126 Victoria Blvd.
 City: Capistrano Beach State: Ca Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
10/7/97	JLS	Reviewed the August 30, 1997 Groundwater Monitoring Report from the Reynolds Group. He collected a pre-purge sample two quarters. The gw. level increased in this sample.
12/19/97	JLS	Reviewed the Nov. 30, 1997, Groundwater Monitoring Report from the Reynolds Group. Called Angel Cardona & him. We need the signature page signed. Reviewed file briefly.
1/5/98	JLS	Reviewed the Dec. 19, 1997 letter from the Reynolds Group & inserted the signed page into the previous report.
2/26/98	JLS	Reviewed the Jan 30, 1998, Groundwater Monitoring Report from the Reynolds Group. Contaminant is still very high.
7/6/98	JLS	Reviewed file. We have not gotten any reports recently. The remaining UST's were removed on 7/2/98. Called Dwight Ziegler and he said he would check on the last monitoring report and see what is taking it.
7/14/98	JLS	Reviewed the July 7, 1998, Interim Source Removal Plan from the Reynolds Group. Reviewed the file. Prepared

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano Beach U.S.D
 Address: 26126 Victoria Blvd.
 City: Capistrano Beach State: Ca Zip: _____
 Contact Person(s): _____ Phone: _____
Jim Cannon 489-7367

Date	Staff	Activities/Comments
10/28/86	JCS	Reviewed the October 15, 1986, Groundwater Monitoring Report from The Reynolds Group
1/23/86	JCS	Adolph from the School District called & said Dave Randall has left the district & he would have The Reynolds Group do another g.w. monitoring at the site - & send me updates on the schools plans
1/27/87	JCS	Return call to Angel Landry & com. They will be sampling the well on 1/28/87
5/13/87	JCS	Reviewed the April 29, 1987, Groundwater Monitoring Report from The Reynolds Group. G.W. concentrations are still the same.
7/10/87	JCS	Return call to Jim Cannon who is replacing Dave Randall and we discussed the Cox, etc. He asked some questions about above ground UST's & I referred him to the Fire Dept.
8/5/87	JCS	Ed Reynolds called & said they would sample the wells tomorrow

ACTIVITIES REPORT

Company Name: Capistrano Beach Unified School Dist.
 Address: 26126 Victoria Blvd.
 City: Capistrano Beach State: Ca Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
4/10/86	JCS	notify me prior to the sampling of the well next quarter. The concentration in the well dropped a bit since last quarter.
6/5/86	JCS	Prepared case survey update form.
7/15/86	JO	Visited the site for the groundwater sampling event. Observed the purging of the well but, the well was recovering very slowly so did not observe the sampling. The water had a moderate to strong gasoline odor to it. Spoke with Dave Randall & Adolph Oliveron about the case while at the site.
8/2/86	JCS	Reviewed the July 22, 1986, Groundwater Monitoring Report prepared by The Reynolds Group. The g.w. concentrations are higher than last quarter but lower than the 1st sampling.
8/2/86	JCS	Angel Cardoza called & said they would be sampling the site on 10/10/86.
10/10/86	JCS	Visited the site at approx. 10:30 AM. No one was present for the sampling. They probably had purged the well earlier. I would come back after it had recharged.

ACTIVITIES REPORT

Company Name: Capistrano Unified School Dist.
 Address: 26126 Victoria Blvd
 City: Capistrano Beach State: _____ Zip: _____
 Contact Person(s): _____ Phone: _____

 _____ Doug Hodge _____ 730-5397

Date	Staff	Activities/Comments
1/17/96	JLS	Doug Hodge & I Called Doug Hodge & discussed the report and he said he has not been contacted to do any regular monitoring of the well at the site. I told him I would be sending a letter requesting monitoring, etc. Discussed case with S. Daugherty. Prepared letter to the school district and sent for mailing.
3/18/96	JLS	Reviewed case & have not gotten a response to my Jan 19, 1996 letter. Called Doug Hodge & I. Called Dave Randall & spoke to Adolf Oliveras and he said that they were preparing a plan & a schedule. It will be sent when Mr. Randall gets back in town.
4/4/96	JLS	Reviewed the March 29, 1996 Quarterly Report from Cap. U.S.D. They want to sample the well during April, July, August, etc. Called Doug Hodge & asked him to notify me of when they are going to sample the well.
4/10/96	JLS	Reviewed the April 8, 1996 Groundwater Monitoring Report from The Reynolds Group. Called Doug Cardona & I.



COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano U.S.D.
 Address: 26126 Victoria Blvd
 City: Capistrano Beach State: _____ Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
12/13/95	JES	plan to show that the well would be placed in the worst case location at the site. He said he would send this by fax.
12/14/95	JES	Reviewed revised plot plan. Prepared approval letter with contingencies & sent for mailing. Called Doug Hodge & told him the plans were approved. Called Dave Randall & told him that the plans were approved.
12/18/95	JES	Dave Randall called & said they are drilling the well at 7:00 Am on 12/20/95
12/20/95	JES	Went to the site & witnessed the drilling of the monitoring well. Doug Hodge & Dave Randall were onsite. The soil samples had odor of gasoline until 30ft. by which is odor were observed.
1/4/96	JES	Reviewed the Dec 21, 1995 Quantity Report letter from Dave Randall.
1/17/96	JES	Reviewed the Dec. 1995 Soil & Groundwater Investigation Report from The Reynolds Group. There was 3.2 ppm Benzene in the groundwater sample. Called

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano U.S.D.
 Address: 26126 Victoria
 City: Capistrano Beach State: Ca. Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
10/4/95	JLS	Met with K. Hadel & S. Daugherty & discussed the case. We would ask for a minimum of a well installed at the site or a CAP.
10/5/95	JLS	Met with K. Hadel, S. Daugherty, Dave Randall & the maintenance supervisor (Adolph) of the Cap. U.S.D. Discussed the case at length & they would get a proposal to us to install one well at the site to see if groundwater is affected. Dave Randall turned in Sept 29, 1995 Quarterly Report. Reviewed & filed.
10/17/95	JLS	Adolph called & we discussed the proposal for a well
10/19/95	JLS	Adolph Oliveray called & we discussed the well installation again.
12/5/95	JLS	Dave Randall called & said they have selected the Reynolds Group and they will be sending a workshop shortly.
12/13/95	JLS	Reviewed the December 12, 1995 cover letter & December 1995 Single Groundwater Well Installation Report from The Reynolds Group. Called Doug Dodge & asked for a revised plot

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano U.S.D.
 Address: 26126 Victoria
 City: Capistrano Beach State: Ca. Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
7/10/95	J.S.	Reviewed June 29, 1995 Quarterly Report from Cap. U.S.D., Dave Randall.
8/30/95	J.S.	Discussed with B. Dickmann as follow up to the 4/12/95 conversation with him. He said he thought he had discussed this with K. Hodel & she had said the only thing we could do about lack of progress is transfer the case to the Reg. Board. He would talk to her again.
8/15/95	J.S.	Reviewed case & B. Dickmann never got back to us on this case. I will bring this up with S. Daugherty in our upcoming meeting with K. Hodel & B. Dickmann to discuss other recalcitrant cases.
9/20/95	J.S.	Discussed case with K. Hodel, B. Dickmann & S. Daugherty. I would wait until next Tuesday & then possibly set up a meeting with the School District to discuss the case.
10/4/95	J.S.	Called Dave Randall at 1:30 to call back to set up a meeting. Dave Randall called back & we discussed the case & he had for a meeting. He agreed & we set up a tentative time. Confirmed time for meeting with K. Hodel & S. Daugherty. Sent memos to them for the meeting. The meeting would be at 1:30 on 10/5/95.
10/4/95	J.S.	Reviewed file & reviewed information for meeting today with K. Hodel & S. Daugherty.

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano Unified School District
 Address: 26126 Victoria
 City: Capistrano Beach State: Ca. Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
7/21/94	JCS	Reviewed June 29, 1994 Quarterly Update letter from David Randall. Reviewed case and discussed with S. Daughtery. Xeroxed this letter with additional info. for him and he said he would discuss with the Program Mgr. as to how to handle the case.
7/26/94	JCS	Discussed case with B. Diekmann, my new supervisor, and he said he would discuss it with the program mgr. Gave Bill a copy of the school's latest letter update.
8/5/94	JCS	Prepared memo to supervisor, as requested, about the problems we are having on getting progress at the site.
10/25/94	JCS	Discussed case with K. Hadel + she said that she would be discussing the school district policy with Bill + Seth to evaluate how to handle the cases and get back to me.
1/20/95	JCS	Reviewed Jan 10, 1995 Quarterly Report from Dave Randall. I have still not heard back from my supervisor or K. Hadel on how to proceed on this case.
4/12/95	JCS	Reviewed March 31, 1995 Quarterly Report letter from Dave Randall. I still have not heard back from my supervisor or B. Diekmann. I will bring this up for my supervisor again.
		Discussed with B. Diekmann and he said he would put it on his list to talk with K. Hadel.

COUNTY OF ORANGE
 ENVIRONMENTAL HEALTH DIVISION
 WASTE MANAGEMENT SECTION

ACTIVITIES REPORT

Company Name: Capistrano Unified School District
 Address: 26126 Victoria
 City: Capistrano Beach State: Ca. Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
4/5/93	JCS	Called back Mr. Randall & l.m. Mr. Randall called back & we discussed the case & the school budget & possibly setting up a meeting in the future to discuss the case & moving it towards remediation.
7/7/93	JCS	Reviewed June 28, 1993 Quarterly Report from Mr. Randall. Reviewed file briefly
10/5/93	JCS	Reviewed Sept 30, 1993 Quart Report from Mr. Randall. They are still waiting to conduct the remediation efforts.
12/28/93	JCS	Reviewed the Dec. 22, 1993 Quarterly Report prepared by Cap. Unified School District. Reviewed file briefly
3/28/94	JCS	Reviewed case. We have not received a Quarterly update since December. Prepared Quarterly Report & sent for typing. Received in mail Quart Report dated March 29, 1994 from Cap USD. Retrieved Quart letter in typing & destroyed. Reviewed Quart Report & filed
7/6/94	JCS	Prepared investigation form
7/13/94	JCS	Ran Date Check for the site to see who the property owner are. The School District is the owner.

ACTIVITIES REPORT

Company Name: Capistrano Unified School District
 Address: 26126 Victoria
 City: Capistrano Beach State: Ca. Zip: _____
 Contact Person(s): _____ Phone: _____

Date	Staff	Activities/Comments
10/5/92	J.C.S.	Reviewed Sept. 29, 1992 letter from Dave Randall. They are still reviewing their options and the school services that are available for the work.
16/7/92	J.C.S.	Called Dave Randall @ 1.00. Dave Randall called back & we discussed the site at length, the need to get work going etc. He said he was dealing with 4 consultants who were supposed to give him proposals about how to proceed. He also talked about putting the cleanup project on hold until the other diesel tanks are removed. He said he would send a more detailed Quarterly Report next time with some time lines on the work to be planned, etc.
12/24/92	JCS	Reviewed Dec. 22, 1992 Quarterly Report from Dave Randall. They want to wait until 1994 to do any additional work or decide on how to proceed at the site. Prepared short update on the case per J-Miller's Request.
3/10/93	JCS.	Reviewed case & have not received a Quert. update thru Quarter, yet
3/18/93	JCS	Prepared Quarterly Report letter & sent for typing.
4/2/93	JCS	Reviewed March 29, 1993 letter from Mr. Randall. Called Mrs. Randall & left message.

COUNTY OF ORANGE
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
WASTE MANAGEMENT SECTION

UST CLEANUP
 H.W. SITE CLEANUP

ACTIVITIES REPORT

Company Name: Cap. Unified School District
Address: 26126 Victoria
City: Capistrano Beach
Contact Person(s): Dave Randall Phone: 489-7365
~~_____~~
~~_____~~

Date	Staff	ACTIVITIES/COMMENTS
3/22/91	J.S.	Returned D. Randall's phone call & discussed the case & he said he needed copies of the letters we mailed earlier, because they lost them. made copy of the Contam letter & sent Bundles. He said he would send me an update ASAP on their progress to get a contractor.
5/28/91	J.S.	Bill Beckmann came by & had me return a phone call to Karl Krebs of the school district. Called Karl Krebs & Kar. K. Krebs called back & it was regarding another matter.
4/11/91	J.C.S.	Reviewed file. Called Dave Randall & discussed the case at length, he need for info on groundwater, etc. He said he would send me a written update on the site & efforts to get bids, etc.
9/13/91	J.S.	Reviewed file. We have not gotten response or update. Called Dave Randall & he said he was remiss in not sending us an update but that he would do so. He also said that he had a company use a bucket auger to determine the depth to gw. at the site. They also took a sample of the water in the auger hole.
11/27/91	J.S.	Reviewed file. Have gotten no response from the School District. Prepared Quant Report letter & submitted for typing.
12/18/91	J.C.S.	Called D. Randall & l.m. for call back.
12/11/91	J.S.	Called D. Randall back & discussed the case. He said he would send an update.

COUNTY OF ORANGE
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
WASTE MANAGEMENT SECTION

UST CLEANUP
 H.W. SITE CLEANUP

ACTIVITIES REPORT

Company Name: C.U.S.D. Transportation.

Address: 26126 Victoria

City: Cap. Beach

Contact Person(s): Edward Rooney (Resigned)
David Randall (Replaced Ed Rooney)

Phone: 496-1215 ext. 305
489-7365

Date	Staff	ACTIVITIES/COMMENTS
6/12/80	JCS.	Ed Rooney called back & we discussed the case & he said they were going to drill Thursday, etc.
6/13/80	JCS.	Called Ed Rooney & his secretary confirmed that the drilling was going on as scheduled tomorrow.
6/14/80	JCS	Visited site to witness borings being done. Spoke to Ed Rooney about the site and Julius Ma of Hellemian + Assoc. witnessed the sampling of one of the borings. I noted that the map in Hellemian's + Assoc. site assessment plan is inaccurate & the small gas tank that was removed was actually close to the other tanks still present. I told Mr. Ma that the site plan would have to be revised.
6/26/80	JCS	Julius Ma of Hellemian called & wanted me to look at the rough sketch information and give comments on it so he could prepare his report. I told him that we do not comment on rough information & that a comprehensive report needs to be prepared & sent to us.
8/2/80	JCS.	Called Ed Rooney & told him of the information. Received faxed results briefly.
		Reviewed Aug 6, 1980 Site Ass & Remedial Action Plan. Assessment appears adequate but there were some sampling errors/problems (they didn't sample enough).
		Called Ed Rooney and left message. Called Hellemian + Assoc. and spoke to Ekson Firouz who said that he was handling the case since Julius Ma no longer worked there. I told him I would be discussing their proposal with Ed Rooney.
8/27/80	JCS.	Ed Rooney called & we discussed at length the Site Ass. Report & Remedial Action Plan for the site.
12/9/80	JCS	Reviewed file & called Ed Rooney. I was transferred around & found out that Mr. Rooney had resigned & moved up North. His replacement is David Randall. I spoke to his secretary & l.m. for him to call me back.
2/12/81	JCS	D. Randall called & we discussed the case at length & the need for a Cont. Update, & the possibility of Closure using G.R.A. in LUFT.
3/15/81	JCS	Reviewed file - Called Mr. Randall & left message for him to call me back.

COUNTY OF ORANGE
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
WASTE MANAGEMENT SECTION

UST CLEANUP
 H.W. SITE CLEANUP

ACTIVITIES REPORT

Company Name: C.U.S.O. Transportation Yard.

Address: 26126 Victoria

City: Cape Beach

Contact Person(s): Edward Rooney Phone: 496-1215
ext 365

Date	Staff	ACTIVITIES/COMMENTS
2/2/90	JCS	Logged case in, prepped SER, NOR F, Contam letter, File, etc.
2/13/90	JCS	Returned Ed Rooney's p.c. + left message
2/15/90	JCS	Ed Rooney called back + I told him that he would be receiving a letter(s) from us after it is typed. I explained to him our program + the need for Site Assessment.
2/26/90	JCS	Ed Rooney called + we discussed the Contam letter, etc. + the need for a determination of the extent of the Contam.
5/4/90	JCS	Returned Ed Rooney's phone call + left message
		Ed Rooney called back + said that he has three bids in and is deciding on which consultant to choose. I told him after he chooses a consultant they can submit a proposal to us for us to approve prior to the work beginning.
5/31/90	JCS	Could not locate file. searched + found file misfiled in another folder
		Called Edward Rooney and left message
		Ed Rooney called back + said I should be receiving be receiving a workplan from Helenian Consultants shortly for their site assessment
6/4/90	JCS	Julia Mae of Helenian + Assoc. called + needed a site map for the samples taken on the tank pull. I faxed him a copy of the site map from Bob Allen.
6/5/90	JCS	Received Site Assessment Plan dated May 29, 1990 from Helenian + Assoc. Called Mr. Rooney and left message.
		Mr. Rooney called back + we discussed the plan at length, questions about monitoring well placement, borings, etc. He said he would have Helenian call me.
		Julia Mae from Helenian + Assoc. called + we discussed the same items as discussed with Mr. Rooney, the independence of the plan, etc.
6/12/90	JCS	Called Ed Rooney + l.m. Called Julia Mae and spoke to him about the site. He said they were doing the borings on Thursday 14th. I told him we still had not received a revised workplan and he said they could not be sending it.

UST CLEANUP PROGRAM
SITE SPECIFIC REPORT

SITE NO.: 90UT28

ACCOUNT NO.: SOURCE OF FUNDS: F SUBSTANCE: 8006619 GASOLINE
CONTRACTOR NO.: 30000 FEDERAL EXEMPT: N PETROLEUM: (Y/N) Y
SITE NAME: C U S D TRANSPORTATION YARD
ADDRESS : 26126 VICTORIA DATE REPORTED : 12/27/89
DATE CONFIRMED: 12/28/89
CITY: 40 CAPISTRANO BEACH ZIP: 92624 CATEGORY: (R/S) R

SITE STATUS

LEAD STATUS REFERRAL: N LEAD REFERRAL : L LOCAL

CASE TYPE (U/S/G/D) S CONTRACT STATUS: 3 EMERGENCY RESPONSE:
AFFECTED RESOURCES : 3 SOIL (VADOSE ZONE) UNITS: 1 GALLONS
VOLUME OF RELEASE : 99
HOW DISCOVERED : 6 TANK REMOVAL
LEAK TYPE : 99 UNKNOWN
LEAK CAUSES : 99 UNKNOWN

RP SEARCH (S/I/N/R/) S DATE UNDERWAY: 02/02/90 DATE COMPLETED: 02/02/90
PRELIMINARY (U/C/) U DATE UNDERWAY: 12/27/89 DATE COMPLETED:
ASSESSMENT
REMEDIAL (U/C/) DATE UNDERWAY: DATE COMPLETED:
INVESTIGATION
REMEDIAL ACTION (U/C/I) DATE UNDERWAY: DATE COMPLETED:
POST REMEDIAL (Y/N/U/C/) DATE UNDERWAY: DATE COMPLETED:
ACTION MONITORING

ENFORCEMENT (Y/N) TYPE (1/2/3/4/5/6) DATE TAKEN :
ACTION TAKEN:

LUFT FIELD MANUAL CONSIDERATION
(1/2/3 PLUS H/S/C/A/R/W/G OR 0 AS APPLICABLE) 2H

CASE CLOSED (Y/R/H/) DATE CLOSED :

DATE EXCAVATION STARTED : REMEDIAL ACTIONS TAKEN:

REMEDICATION TECHNOLOGY (WATER):
REMEDICATION TECHNOLOGY (SOIL) :

HOW DISPOSED: AMOUNT TONS

RESPONSIBLE PARTY

CONTACT NAME : EDWARD ROONEY PHONE NO.: 714-496-1215
COMPANY NAME : CAP UNIF SCH DIST TRANS YD
ADDRESS : 26126 VICTORIA
CITY/STATE/ZIP: CAPISTRANO BEACH, CA 92624
INSPECTOR NO. : 153 UPDATE 02/02/90

RECORDS RELEASE

RECORDS OF: _____
(NAME)

(ADDRESS)

(CITY)

R.R. #: 00-1690

REQUESTOR: Amec Earth + Envir
(NAME) #102

129 N. Hancock St
(ADDRESS) ~~70~~

Anaheim Ca
(CITY)

TOTAL PAGES: 20

RELEASE DATE: 2-20-01

NAME: John M. Harwell

RECORDS RELEASE

RECORDS OF: Capistrano USD Transportation Center
(Name)
26126 Victoria Blvd.
(Address)
Capistrano Beach, CA 92624
(City)

R.R. #: 96-1060

REQUESTOR: Enocotech
(Name)
373 Van Ness Ave., Suite 110
(Address)
Torrance, CA 90501
(City)

TOTAL PAGES: 210

RELEASE DATE: 9-¹⁰⁻5-96

NAME: Consuelo M. Burr

RECORDS RELEASE

RECORDS RELEASE

RECORDS OF: Capistrano Unified School Dist.
(Name)

26126 Victoria
(Address)

Cap. Bldg., CA
(City)

R.R. #: 94-935

REQUESTOR: Westates RTHS Services Inc.
(Name)

1707 A E. 28th St.
(Address)

Signal Hill, CA 90806
(City)

TOTAL PAGES: 12

RELEASE DATE: 9-12-94

NAME: D. Nata

RECORDS RELEASE



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

**REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH**

JULIETTE A. POULSON, RN, MN
INTERIM DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

JACK MILLER, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

E-MAIL: environhealth@hca.co.orange.ca.us

July 26, 2000

James Gannon
Capistrano Unified School District
2B Liberty
Aliso Viejo, CA 92656

Subject: Remedial Action Completion Certification

Re: Underground Storage Tank (UST) Case
Capistrano Unified School District
26126 Victoria Blvd., Capistrano Beach, CA
O.C.H.C.A. Case #90UT28

Dear Mr. Gannon:

This letter confirms the completion of site investigation and corrective action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground storage tank are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact James Strozier of our office at (714) 667-3711 if you have any questions regarding this matter.

Sincerely,



Jack Miller, REHS, Director
Environmental Health

JM:jcs

Attachment: Case Closure Summary

cc. Sue Pease, San Diego Regional Water Quality Control Board
SB 562 Database, State Water Resources Control Board
Cleanup Fund Manager, State Water Resources Control Board
Larry Honeybourne, Environmental Health

JS/closure

Case Closure Summary

Leaking Underground Fuel Tank Program

I. Agency Information

Date: **July 18, 2000**

Agency Name: Orange County Health Care Agency	Address: 2009 East Edinger Avenue
City/State/Zip: Santa Ana, CA 92705	Phone: (714) 667-3600
Responsible staff person: James Strozier	Title: Hazardous Waste Specialist

II. Case Information

Site Facility Name: Capistrano Unified School District				
Site Facility Address: 26126 Victoria Blvd., Capistrano Beach, CA				
RB LUSTIS Case No.:		Local Case No.: 90UT28	LOP Case No.:	
URF Filing Date:		SWEEPS No.:		
Responsible Party		Address		Phone Number
Capistrano Unified School District		2B Liberty, Aliso Viejo, CA		(949) 489-7114
James Gannon				
Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	550	Gas and Diesel	Removed	12-27-89

III. Release and Site Characterization Information

Cause and type of release: unknown				
Site characterization complete? Yes		Date approved by oversight agency: 5-25-00		
Monitoring wells installed? Yes		Number: 1	Proper screened interval? Yes	
Highest GW depth BGS: 17.5 ft.		Lowest depth: 20 ft.	Flow direction: Unknown	
Most sensitive current use: Designated as Municipal and Domestic Supply				
Are drinking water wells affected? No		Aquifer name:		
Is surface water affected? No		Nearest/affected SW name:		
Off-site beneficial use impacts (addresses/locations):				
Report(s) on file? Yes		Where is report(s) filed? County of Orange		
Treatment and Disposal of Affected Material				
Material	Amount (include Units)	Action (treatment or disposal/destination)		Date
USTs	1 UST	Unknown		12-27-89
Water				
Soil	281 tons	CDE Glen Helen Soil Recycling, Devore, CA		7-21-98

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

Case#: **90UT28**

Date: **July 18, 2000**

III. Release and Site Characterization Information (Continued)

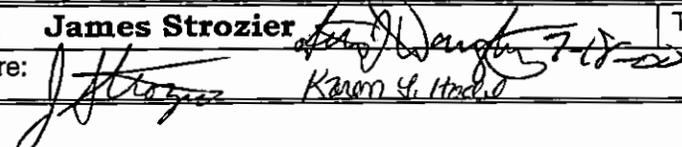
Maximum Documented Contaminant Concentrations - - Before and After Cleanup									
Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (gas)	5,521	48	23		MTBE	Not analyzed	<.1	Not analyzed	<.010
Benzene	28.8	4.8	3.3	.033	TPH (diesel)	3,100	Not analyzed	<.5	Not analyzed
Toluene	52.4	6.5	8.4	.013					
Xylene	107	2.8	4.3	.017					
Ethylbenzene	23	.71	.275	.391					

Comments (Depth of Remediation, etc.): The 550-gallon tank was removed during December 1989. Soil contamination was apparent in the excavation. The tank was currently being used to store diesel fuel but had been used previously for gasoline. The contamination present in the soil during the removal appeared to be primarily gasoline. Five soil borings were drilled at the tank area to determine the extent of the soil contamination and whether groundwater had been impacted. The contamination extended to groundwater, so a monitoring well was later installed at the worst case location in the former tank zone. The monitoring well showed high concentrations of benzene present in the groundwater. The monitoring well was monitored periodically during the next three years. Concentrations of benzene fluctuated up and down from 222 ppb to 15,203 ppb. During June 1998, the remaining USTs at the site were removed. The removal process prompted the School District to excavate the worst case soil contamination at the former gas tank area. (Continued next page)

IV. Closure

Does completed corrective action protect <i>existing</i> beneficial uses per the Regional Board Basin Plan? (See Note)		
Does completed corrective action protect <i>potential</i> beneficial uses per the Regional Board Basin Plan? (See Note)		
Does corrective action protect public health for current land use?		Yes (Bus storage and maintenance)
Site management requirements: None		
Should corrective action be reviewed if land use changes?		Yes
Monitoring wells decommissioned: No	Number decommissioned: 0	Number Retained: 1
List enforcement actions taken: None		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: James Strozier	Title: Hazardous Waste Specialist
Signature: 	Date: 7-18-00

VI. RWQCB Notification

Date Submitted to RB: 7/19/00	RB Response: Concurs with Closure	
RWQCB Staff Name: Sue Pease	Title: Environmental Health Specialist III	Date: 7/20/00
Signature:	Date:	

Case Closure Summary
(continued)

Case#: 90UT28
Date: July 18, 2000

VII. Additional Comments, Data, etc.

No contamination was detected at the other tank locations. Approximately 281 tons of soil was excavated to a depth of 29 feet and sent to a thermal recycling facility. A bottom sample was collected that showed only low concentrations remained at 29 feet, but soil contamination remained along the sidewalls. Prior to backfilling the excavation, six hundred pounds of ORC (Oxygen Releasing Compound) was mixed into the backfill to facilitate degradation of the remaining contamination. A new monitoring well was then installed adjacent to the excavated area to monitor the ground water to determine if additional assessment or remediation was necessary. The groundwater well was monitored during the next year. The groundwater monitoring has shown a significant decrease in concentrations of petroleum contamination. A pre-purge and post-purge sample were collected during the final sampling event. The pre-purge and post-purge sample contained 33.9 ppb and 10.8 ppb of benzene respectively.

This site is located approximately 1800 feet from the Pacific Coast Highway where the groundwater basin becomes designated as having no beneficial uses. The groundwater gradient is estimated to be towards Pacific Coast Highway. The site is also located approximately 2000 feet from the San Juan Creek channel, which drains from the upper San Juan basin and the Oso Creek basin. Several local water districts have tentative plans to expand the utilization of the groundwater in these areas. The groundwater will be pumped from a series of new wells, desalted, and then blended with water from the Metropolitan Water District to meet drinking water standards. The location of the closest of the proposed wells is approximately 6000 feet from the site, up-gradient along the San Juan Channel. Due to the low concentrations remaining in the groundwater at the site, and the distance from the proposed wells, this site does not appear to be a risk to the groundwater resource in this area.

MTBE has not been detected in the groundwater or soil at this site.

The groundwater monitoring has shown that the remaining soil contamination is not having a significant impact on the groundwater at the site. Only benzene was found to be over the MCLs for drinking water with a final concentration of 33.9 ppb. There does not appear to be a public health or a groundwater threat and the case may be closed.

Note: According to the San Diego Regional Board staff, the contamination left at the site does not fully meet the basin plan criteria as interpreted by the State Board legal counsel. However, the Orange County LOP considers this site to be suitably protective of public health and groundwater resources.



COUNTY OF ORANGE HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

MICHAEL SCHUMACHER, Ph.D.
DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

JACK MILLER, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
1st FLOOR FAX: (714) 972-0749
2nd FLOOR FAX: (714) 568-5116

E-MAIL: environhealth@hca.co.orange.ca.us

FAX TO THE FOLLOWING NUMBER: (858) 637-5596

571-6972

THE FOLLOWING PAGES ARE FOR:

Name of Individual: Sue Pease

Telephone Number: (858) 637-5596

Firm Name: S.D.R.W.A.C.B.

Documents Transmitted: Closure Summary

Comments: Please review & if you have any questions please call. Thanks JLS

From: J. Storz (714) 667-3711
HCA/Environmental Health Telephone No.

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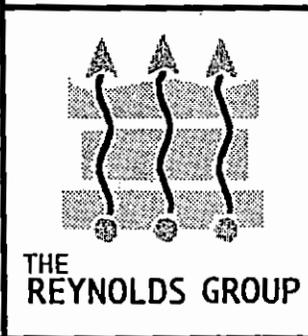
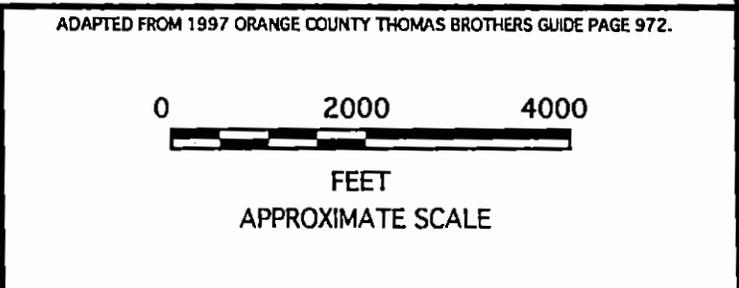
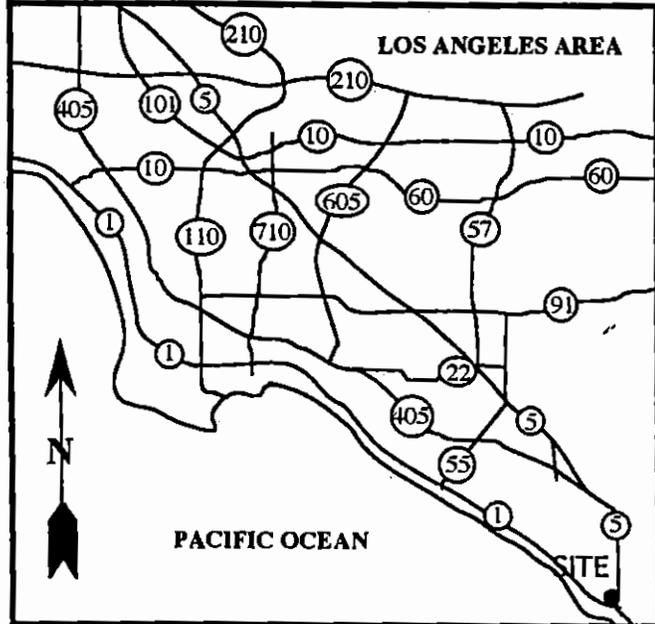
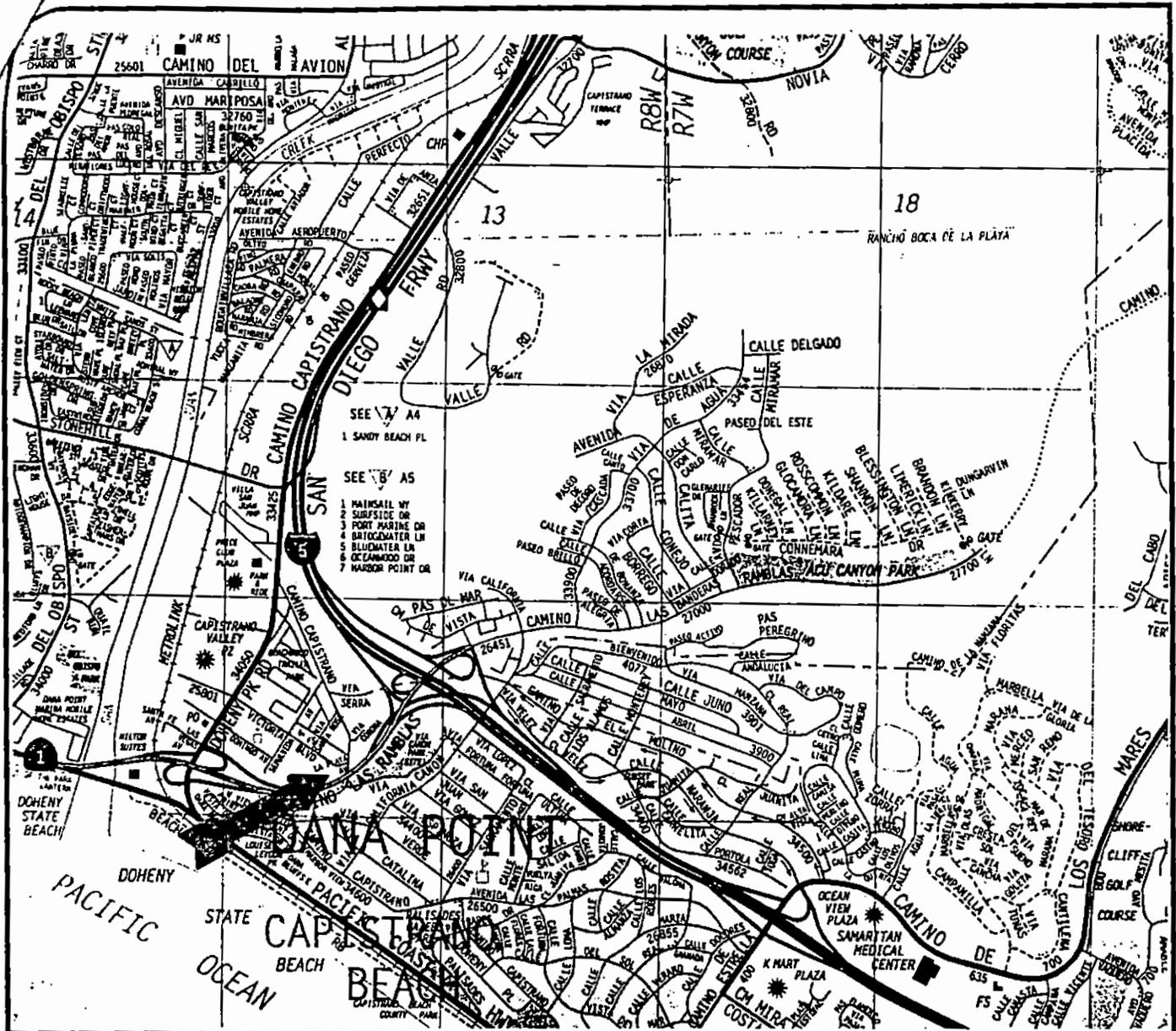
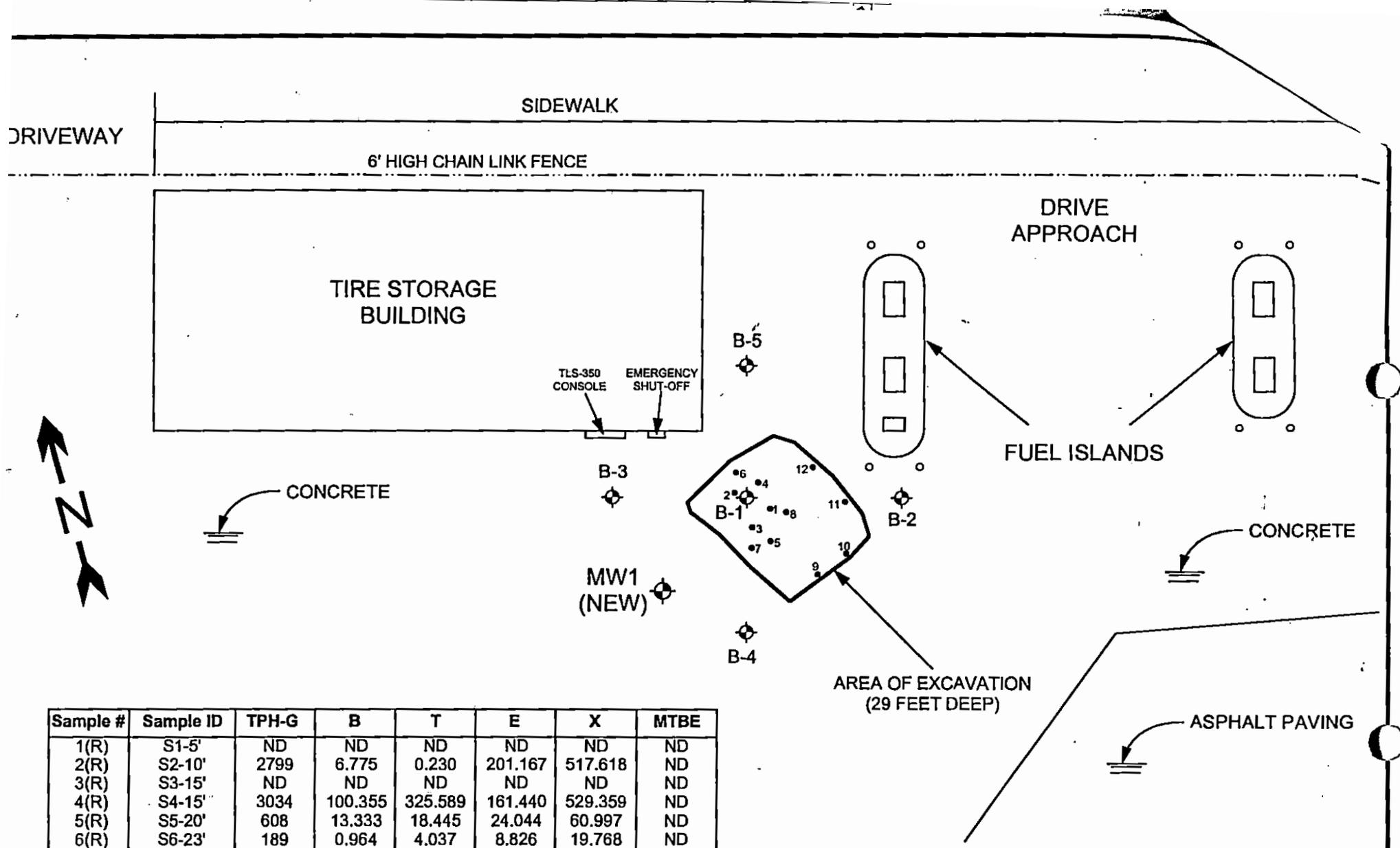


FIGURE 1
SITE LOCATION MAP
 CAPISTRANO U.S.D.
 TRANSPORT. & MAINTENANCE
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH,
 CALIFORNIA
 JULY 1998



Sample #	Sample ID	TPH-G	B	T	E	X	MTBE
1(R)	S1-5'	ND	ND	ND	ND	ND	ND
2(R)	S2-10'	2799	6.775	0.230	201.167	517.618	ND
3(R)	S3-15'	ND	ND	ND	ND	ND	ND
4(R)	S4-15'	3034	100.355	325.589	161.440	529.359	ND
5(R)	S5-20'	608	13.333	18.445	24.044	60.997	ND
6(R)	S6-23'	189	0.964	4.037	8.826	19.768	ND
7(R)	S7-25'	24	2.744	6.173	1.276	5.129	ND
8(R)	S8-29'	12	0.106	0.196	0.627	0.444	ND
9	SW-10'	ND	ND	ND	ND	ND	ND
10	SW-20'	ND	0.121	ND	0.160	ND	ND
11	EW-10'	ND	ND	ND	ND	ND	ND
12	EW-20'	ND	0.014	ND	0.026	ND	ND

(R) SOIL REMOVED DURING EXCAVATION
 ⊕ B-3 LOCATION OF BORINGS PERFORMED IN 1992

PLOT PLAN WITH "INTERIM SOURCE REMOVAL" DIAGRAM AND GROUND WATER MONITORING WELL LOCATION



THE REYNOLDS GROUP
 ENVIRONMENTAL SERVICES

CAPISTRANO UNIFIED SCHOOL DISTRICT

VICTORIA BLVD
 CAPISTRANO BEACH

SEPTEMBER, 1998.

FIGURE 3

SCALE 1" : 10'

PROJECT NUMBER
 5075 - CAPO

DRIVEWAY

SIDEWALK

6' HIGH CHAIN LINK FENCE

TIRE STORAGE BUILDING

TLS-350 CONSOLE

EMERGENCY SHUT-OFF

DRIVE APPROACH

FUEL ISLANDS

CONCRETE

CONCRETE

MW1 (NEW)

MW1 (OLD)

AREA OF EXCAVATION (29 FEET DEEP)

ASPHALT PAVING

Scale 1" = 10'

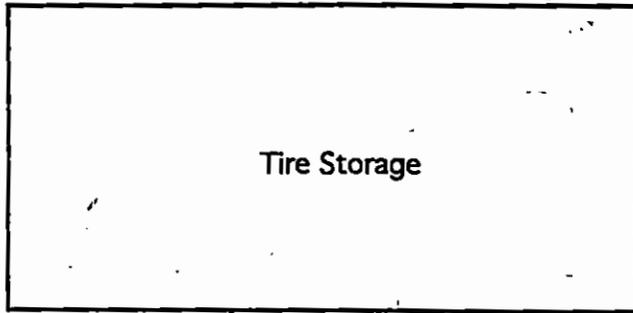
PLOT PLAN WITH GROUNDWATER MONITORING WELL LOCATION



CAPISTRANO UNIFIED SCHOOL DISTRICT
VICTORIA BLVD
CAPISTRANO BEACH

FIGURE
2

PROJECT NUMBER
5075 - CAPO



5,000 gal.
Diesel Tank



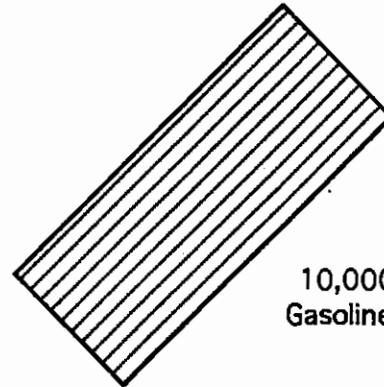
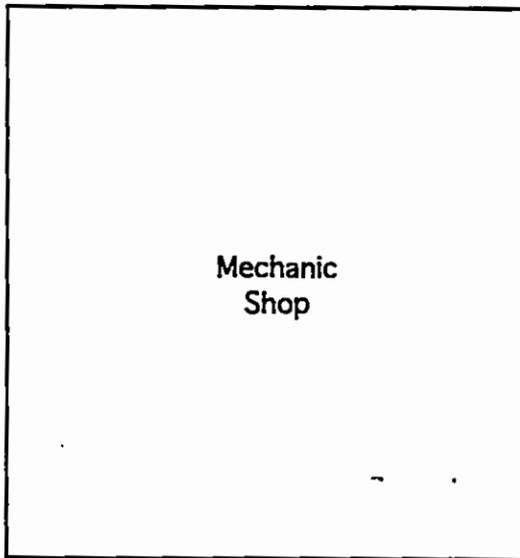
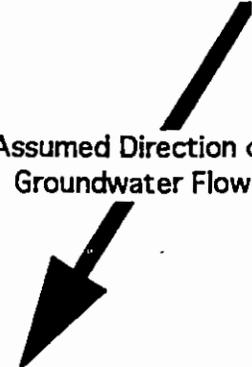
Former
Drain UST



Former
Gasoline UST



Assumed Direction of
Groundwater Flow



10,000 gal.
Gasoline Tank

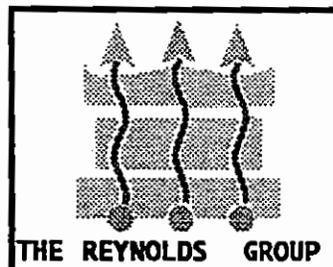
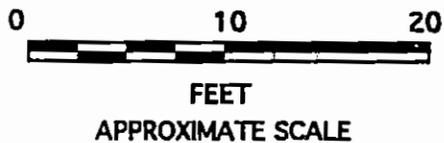


FIGURE 2
PLOT PLAN WITH WELL LOCATION
CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA
DECEMBER 1995

Monitoring Data

"OLD" MW-1

Summary of Groundwater Monitoring Results (Results in Parts Per Billion ug/L)

Well I.D.	Sample Date	TPH Diesel	TPH Gas	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-1	12/28/95	ND	23,000	3,282.3	8,397.8	275.1	4,288.4	NA
	4/1/96	ND	600	222.3	5.1	22.2	3.7	ND
	7/15/96	ND	1,900	711.8	44.4	67.1	50.2	ND
	10/11/96	ND	2,100	627.3	50.3	29.9	62.7	ND
	1/29/97	ND	2,899	841.1	314.9	8.7	227.6	43.0
	4/23/97	ND	1,063	617.3	8.1	5.1	4.9	11.0
	8/6/97	ND	39,470	14,312	1,471.8	3,021.3	1,251.5	209
	11/25/97	NA	45,040	15,203	5,201	3,519.9	1,338.4	120

Post Remediation Monitoring

"NEW" MW-1

Summary of Groundwater Monitoring Results (Results in Parts Per Billion - ug/l.)

Well ID	Date Sampled	TPH Gas	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
MW1	2/11/99	5,909	1,210.1	ND	ND	ND	ND
	10/29/99	166	ND	0.9	ND	1.9	18
	1/26/00 (grab)	742	33.9	13.3	391.5	17.1	ND
	1/31/00 (purge)	243	10.8	ND	76.8	ND	ND

40 feet because of the dry soil conditions encountered during the work. The top of the screen was set at 15 feet below ground surface. Soil samples were taken during the well installation and were labeled WI-5 through WI-50. Laboratory analyses of the soil samples revealed elevated concentrations of BTEX at 20 and 25 feet below ground surface.

WELL INSTALLATION LABORATORY RESULTS

September 10, 1998

(micrograms per kilogram or parts per million)

Sample I.D.	TPH as Gas	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
WI-5	ND	ND	ND	ND	ND	ND
WI-10	ND	ND	ND	ND	ND	ND
WI-15	ND	ND	ND	ND	ND	ND
WI-20	48	1.128	2.144	0.592	2.211	ND
WI-25	21	4.826	6.549	0.713	2.832	ND
WI-30	ND	0.179	0.049	ND	ND	ND
WI-35	ND	0.191	0.125	0.021	0.184	ND
WI-40	ND	0.070	0.160	0.029	0.096	ND
WI-45	ND	ND	ND	ND	ND	ND
WI-50	ND	ND	ND	ND	ND	ND
Detection Limit	10	0.005	0.005	0.005	0.015	0.1

ND = Non-Detect

Well Installation Data 1995

**TABLE 1
SUMMARY OF ANALYTICAL RESULTS
ANALYSES OF INVESTIGATION SOIL SAMPLES
BY EPA METHODS 8015 MODIFIED FOR GASOLINE AND 8020**

BORING	SAMPLE ID	SAMPLE DEPTH (FT.)	ANALYZED COMPOUNDS					
			TPH AS DIESEL ¹	TPH AS GAS ²	B ³	T ³	E ³	X ³
B1	B1-10	10	ND ⁴	ND	ND	ND	ND	ND
B1	B1-15	15	ND	825.9	1.447	3.513	7.043	36.421
B1	B1-20	20	ND	510.6	4.799	15.888	10.105	40.510
B1	B1-25	25	ND	896.3	28.833	52.473	17.096	61.453
B1	B1-30	30	ND	ND	0.358	ND	ND	0.051
B4	B1-35	35	ND	ND	ND	ND	ND	ND

- Notes: 1) TPH as diesel analyzed according to EPA Method 8015 modified for diesel, ppm.
 2) TPH as gasoline analyzed according to EPA Method 8015 modified for gasoline, ppm.
 3) Benzene, toluene, ethylbenzene and xylenes (BTEX) analyzed according to EPA Method 8020, ppm.
 4) ND = compound not detected above specified detection unit.

**TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ANALYSES OF GROUNDWATER SAMPLES
BY EPA METHODS 8015 MODIFIED FOR GASOLINE AND 8020**

WELL	ANALYZED COMPOUNDS					
	TPH AS DIESEL ¹	TPH AS GAS ²	B ³	T ³	E ³	X ³
MW1	ND ⁴	23.0	3.2823	8.3978	0.2751	4.2884

- Notes: 1) TPH as diesel analyzed according to EPA Method 8015 modified for diesel, ppm.
 2) TPH as gasoline analyzed according to EPA Method 8015 modified for gasoline, ppm.
 3) Benzene, toluene, ethylbenzene and xylenes (BTEX) analyzed according to EPA Method 8020, ppm.
 4) ND = compound not detected above specified detection unit.
 5) Disposable bailer used, therefore no blank generated.

9.0 DISCUSSION

Analytical results indicate gasoline and BTEX in both the soil and groundwater beneath the former 550 diesel UST. Groundwater concentrations exceed the drinking water standards (maximum contamination levels, MCL's) except for ethylbenzene. These standards are 0.001 ppm for benzene, 0.100 ppm toluene, 0.680 ppm ethylbenzene, and 1.750 ppm for total xylenes. In MW1, the analytical results were 3.282 ppm, 0.275 ppm, 4.288 ppm, respectively.

Soil Borings - 1990

FILE NO. 1551S
August 6, 1990

TABLE 1

SOIL SAMPLE TEST RESULTS
TPH, mg/Kg

DEPTH	B-1 OVA/GAS./ DIESEL	B-2 OVA/GAS./ DIESEL	B-3 OVA/GAS./ DIESEL	B-4 OVA/GAS./ DIESEL	B-5 OVA/GAS./ DIESEL
5	4K+/--- --	50/---/---	40/---/---	75/---/---	40/---/---
10	4K+/---/---	50/---/---	30/---/---	30/---/---	50/---/---
15	4K+/---/---	30/---/---	275/---/---	50/---/---	30/---/---
20	4K+/1900/3100	40/1/ND	800/30/9	1900/---/---	260/---/---
25	120/5/ND	20/---/---	70/17/72	4K+/13/4	160/6/4
30	20/---/---	20/---/---	ND/---/---	20/2/ND	ND/---/---
35	35/---/---				
40	55/---/---				

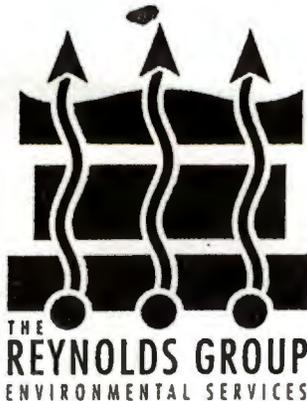
Note = Gasoline was analyzed by EPA 8015 headspace.

Diesel was analyzed by EPA 8015E extraction.

TABLE 2

AROMATIC VOLATILE HYDROCARBONS
BTEX, mg/Kg

SAMPLE I.D.	BENZENE	TOLUENE	E. BENZENE	XYLENE
B-1-20	21	190	55	420
B-1-25	0.2	0.1	ND	ND
B-1-30	ND	ND	ND	ND
B-2-20	ND	ND	ND	ND
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-3-30	ND	ND	ND	ND
B-4-25	0.2	0.5	0.3	0.3
B-4-30	ND	ND	ND	ND
B-5-25	0.1	0.2	ND	0.2
B-5-30	ND	ND	ND	ND



FAXED

FEB 18 2000

To Both

to

FAX TRANSMITTAL COVER SHEET

DATE:

2-18-00

FAX NUMBER:

(714) 972-0749

TO:

JIM STROZIER

COMPANY:

OCHCA

MESSAGE:

CAPD INFO, AS REQUESTED.

CC: MARK BAUER, CAPD UNIFIED

NUMBER OF PAGES:

3

including cover page.

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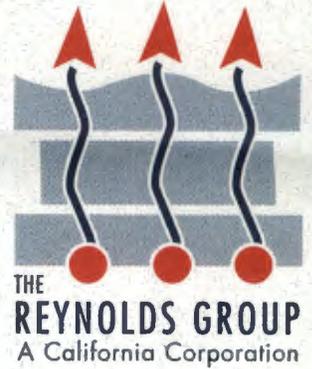
ED REYNOLDS

FAX NUMBER:

(714) 730-6476

PHONE NUMBER:

(714) 730-5397



February 18, 2000

Mr. Jim Strozier
Environmental Health Division
**ORANGE COUNTY HEALTH
CARE AGENCY**
2009 E. Edinger Avenue
Santa Ana, CA 92705

**SITE: 26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA**

**SUBJECT: HISTORICAL GROUNDWATER MONITORING ANALYTICAL
RESULTS FOR "OLD" MW-1 AND "NEW" MW-1**

Dear Mr. Strozier,

As you requested, attached are two tables showing historical groundwater monitoring analytical results for the "old" MW-1 well and the "new" MW-1 well at the subject site.

Should you have questions or require additional information, my telephone number is (714)730-5397.

Sincerely,
THE REYNOLDS GROUP
A California Corporation by:

F. Edward Reynolds, Jr., P.E.

Attachment

cc: Mark Bauer, **CAPISTRANO UNIFIED SCHOOL DISTRICT**

"OLD" MW-1

**Summary of Groundwater Monitoring Results
(Results in Parts Per Billion – ug/L)**

Well I.D.	Sample Date	TPH Diesel	TPH Gas	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW-1	12/28/95	ND	23,000	3,282.3	8,397.8	275.1	4,288.4	NA
	4/1/96	ND	600	222.3	5.1	22.2	3.7	ND
	7/15/96	ND	1,900	711.8	44.4	67.1	50.2	ND
	10/11/96	ND	2,100	627.3	50.3	29.9	62.7	ND
	1/29/97	ND	2,899	841.1	314.9	8.7	227.6	43.0
	4/23/97	ND	1,063	617.3	8.1	5.1	4.9	11.0
	8/6/97	ND	39,470	14,312	1,471.8	3,021.3	1,251.5	209
	11/25/97	NA	45,040	15,203	5,201	3,519.9	1,338.4	120

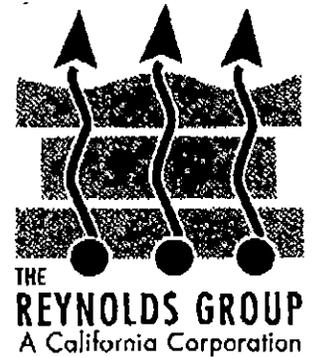
"NEW" MW-1

**Summary of Groundwater Monitoring Results
(Results in Parts Per Billion – ug/L)**

Well ID	Date Sampled	TPH Gas	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
MW1	2/11/99	5,909	1,210.1	ND	ND	ND	ND
	10/29/99	166	ND	0.9	ND	1.9	18
	1/26/00 (grab)	742	33.9	13.3	391.5	17.1	ND
	1/31/00 (purge)	243	10.8	ND	76.8	ND	ND

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JUN - 9 2000

ENVIRONMENTAL HEALTH



February 18, 2000

Mr. Jim Strozier
 Environmental Health Division
**ORANGE COUNTY HEALTH
 CARE AGENCY**
 2009 E. Edinger Avenue
 Santa Ana, CA 92705

**SITE: 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH, CALIFORNIA**

**SUBJECT: HISTORICAL GROUNDWATER MONITORING ANALYTICAL
 RESULTS FOR "OLD" MW-1 AND "NEW" MW-1**

Dear Mr. Strozier,

As you requested, attached are two tables showing historical groundwater monitoring analytical results for the "old" MW-1 well and the "new" MW-1 well at the subject site.

Should you have questions or require additional information, my telephone number is (714)730-5397.

Sincerely,
THE REYNOLDS GROUP
 A California Corporation by:

F. Edward Reynolds, Jr., P.E.

Attachment

cc: Mark Baucr, **CAPISTRANO UNIFIED SCHOOL DISTRICT**



JAMES M. GANNON
Manager
Transp n

*Capistrano Unified
School District*

2B Liberty, Aliso Viejo, CA 92656
(949) 489-7114 • FAX (949) 831-4213
Email: jgannon@capousd.k12.ca.us



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (949) 489-7000/FAX 240-6241

October 7, 1999

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DR. JAMES A. FLEMING

Mr. James C. Strozier, REHS
Hazardous Waste Specialists
Hazardous Materials Management Section
County of Orange, Environmental Health
2009 East Edinger Ave.
Santa Ana, CA. 92705-4720

SUBJECT: NOTIFICATION OF SEPTEMBER 28, 1999

Dear Mr. Strozier:

An administrative oversight has caused us the delay in our reporting of the current status of our underground remediation and monitoring at our facility in Capistrano Beach.

Please be assured that the Capistrano Unified School District has retained the Reynolds Group for this project and we expect a report to be forthcoming. We apologize for any inconvenience this may have caused.

Sincerely,

James M. Gannon
Manager III
Transportation Department

c: Ralph Decatur, Director, Transportation
Mark Bauer, Manager, Construction

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ENVIRONMENTAL HEALTH



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

**HEALTH CARE REGULATORY SERVICES
ENVIRONMENTAL HEALTH**

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INTERIM DIRECTOR

MIKE SPURGEON
INTERIM DIRECTOR
HEALTH CARE REGULATORY SERVICES

JACK MILLER, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

E-MAIL: environhealth@hca.co.orange.ca.us

September 28, 1999

James Gannon
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Quarterly Reporting Requirements For An Unauthorized Release From An
Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Gannon:

Please be advised that this Agency, which is authorized to enforce the State Underground Storage Tank Laws and Regulations, has not received a current progress report regarding the investigation and remedial activities completed to date at the subject location.

The California Code of Regulations, Title 23, Subchapter 16, Section 2652, requires the owner or operator to submit reports to the local agency every three (3) months until the cleanup is complete. A current review of our files indicated that an update report is required which covers the following information:

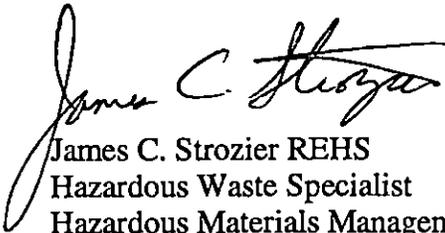
1. A description of the corrective and remedial actions, including investigations which were undertaken and will be conducted to determine the nature, and extent of soil, groundwater or surface water contamination due to the release.
2. The method(s) of cleanup implemented to date, proposed cleanup actions, and a time schedule for implementing the proposed actions.

James Gannon
September 28, 1999
Page 2

Please submit to this office a summary update report of the investigative and remedial activities indicated above that have occurred at the referenced location since these activities were last reported. Include also the results of these activities, where results are available. This report must be submitted within thirty (30) days of receipt of this letter.

If you have any questions, please call me at (714) 667-3711.

Sincerely,



James C. Strozier REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

cc: Ed Reynolds, The Reynolds Group



Jim

Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (949) 489-7000/FAX 240-6241

March 29, 1999

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Assistant Superintendent

JOE DIXON
Director III
Maintenance & Operations

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Director
Food and Nutrition Services

RITA M. FINEN
Director
Transportation

Karen L. Hodel, R.G.
Program Manager
Hazardous Materials Mitigation Section
Environmental Health Division
2009 Edinger Ave.
Santa Ana, CA 92705-4720

Subject: Landowner Notification

Re: CUSD Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA. 92624

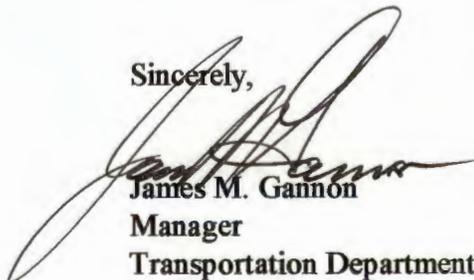
Dear Ms. Hodel:

The above referenced property is owned by the Capistrano Unified School District. The property is unencumbered.

The primary, or active responsible party for the site would be Mr. Ralph Decatur, Director of Transportation. Please note, the following is the correct mailing address:

Capistrano Unified School District
Transportation Department
2 B Liberty
Aliso Viejo, CA
92656

Sincerely,



James M. Gannon
Manager
Transportation Department

c: Ralph Decatur, Director, Transportation
Adolph Olivares, Supervisor IV, Transportation Vehicle Maintenance

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ENVIRONMENTAL HEALTH

Faint, illegible text at the bottom of the page, possibly a signature or reference number.



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

DONALD R. OXLEY
DIRECTOR

HILDY MEYERS, M.D.
INTERIM HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

**PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH**

March 4, 1999

David Randall
Capistrano Unified School Dist. Trans. Yard
26126 Victoria
Capistrano Beach, CA 92624

Subject: Recently Enacted Legislation Impacting Responsible Parties Regarding Landowner Notification

**Re: CUSD Transportation Yard
26126 Victoria
Capistrano Beach, CA 92624
OCHCA Case #90UT28**

Dear Mr. Randall:

The purpose of this letter is to transmit information regarding recently enacted sections of the Health and Safety Code. Section 25297.15(a) of the Health and Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a cleanup proposal, 2) a site closure proposal, or 3) a local agency determination that no further action is required. Section 25297.15(b) requires the local agency to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, with 20 calendar days of receipt of this notice, a list of all current record owners of fee title to the site. Also, at the time a cleanup or site closure proposal is submitted, or a "no further action" letter is requested, you must certify to this agency that the required notifications have been made.

If you have any questions concerning submission of the required letter in 20 calendar days, or regarding the notification process, please contact James Strozier, Hazardous Waste Specialist at (714) 667-3711.

Sincerely,

Karen L. Hodel

Karen L. Hodel, R.G.
Program Manager
Hazardous Materials Mitigation Section
Environmental Health Division

KLH:dap



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

LARRY M. LEAMAN
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D., MPH
DIRECTOR OF PUBLIC HEALTH/
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

**PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH**

January 12, 1999

Mark Bauer
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Groundwater Monitoring

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Bauer:

This Agency has reviewed the September 14, 1998; Report On Interim Source Removal Action and Groundwater Well Installation prepared by The Reynolds Group. This Agency agrees with the recommendation to continue monitoring the groundwater at the site.

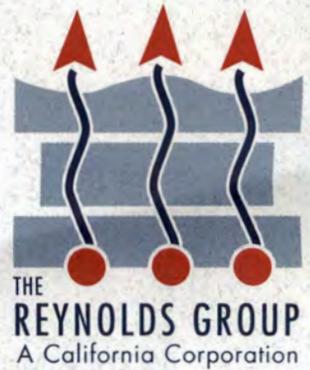
The groundwater monitoring must be continued on a quarterly basis. Based upon the results of the monitoring, the case will be evaluated for possible closure, further assessment and/or remediation. Please notify me at least forty-eight (48) hours prior to conducting the monitoring activities.

If you have any questions, please call me at (714) 667-3711.

Sincerely,

James C. Strozier REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

cc: Ed Reynolds, The Reynolds Group



January 4, 1999

Mr. James C. Strozier
Hazardous Waste Specialist
**ORANGE COUNTY HEALTH
CARE AGENCY**
Environmental Health Division
2009 East Edinger Avenue
Santa Ana, California 92705

**PROPERTY: CAPISTRANO UNIFIED SCHOOL DISTRICT
26126 VICTORIA BOULEVARD, CAPISTRANO, CALIFORNIA**

SUBJECT: TRANSMITTAL OF SEPTEMBER 14, 1998 REPORT

Dear Mr. Strozier,

Thank you for calling me and requesting a copy of the subject report. I had no idea that you had not received a copy.

If you have any questions, please call me at 714-730-5397. Our offices are located two minutes from yours and I always enjoy meeting with you in person.

Sincerely,
THE REYNOLDS GROUP
A California Corporation by:

F. Edward Reynolds, Jr.
Registered Civil Engineer

cc: Mark Bauer, CAPISTRANO UNIFIED SCHOOL DISTRICT w/enclosure
attachment

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JAN 04 1999

ENVIRONMENTAL HEALTH



COUNTY OF ORANGE
HEALTH CARE AGENCY

RONALD R. DILUIGI
INTERIM DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

JACK MILLER, REHS
DEPUTY DIRECTOR

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749

PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

July 14, 1998

Mark Bauer
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Interim Source Removal Plan

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Bauer:

This Agency has reviewed the July 7, 1998; Interim Source Removal Action Plan prepared by The Reynolds Group. This proposal is acceptable to this Agency provided the following considerations are addressed:

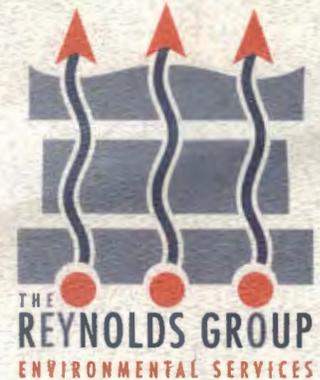
1. Following completion of the excavation project, a proposal must be submitted for the reinstallation of the monitoring well as close as possible to the excavated area. The proposal must also include additional groundwater assessment to determine the lateral extent of the groundwater contamination. If "hydropunch" samples are proposed, permanent groundwater monitoring wells may be required based upon the results of the assessment.
2. A sufficient number of soil samples must be collected from the sidewalls and bottom of the excavation to document the concentrations of the remaining contamination.
3. This Agency must be notified at least forty-eight (48) hours prior to conducting the excavation or soil sampling at the site.

If you have any questions, please call me at (714) 667-3711.

Sincerely,

James C. Strozier REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

cc: Ed Reynolds, The Reynolds Group



December 19, 1997

Mr. Jim Strozier
Environmental Health Division
ORANGE COUNTY HEALTH
CARE AGENCY
2009 E. Edinger Avenue
Santa Ana, CA 92705

SUBJECT: CAPISTRANO UNIFIED SCHOOL DISTRICT GROUNDWATER
MONITORING REPORT DATED NOVEMBER 30, 1997

Dear Mr. Strozier,

Enclosed is a signed page 2 of the subject report. Thank you for bringing our attention to the fact that we forwarded the original with no signatures. We apologize for the oversight. As you suggested, we are providing only the signature page to be inserted into the original report mailed to you earlier this month.

Again, we apologize for the error.

Sincerely,
THE REYNOLDS GROUP
A California Corporation by:

F. Edward Reynolds, Jr., P.E.

Encl.

cc: Adolph Olivares, CAPISTRANO UNIFIED SCHOOL DISTRICT

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HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675

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Operational Services

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Assistant Superintendent,
Facilities Planning

WILMA J. HARVEY
Executive Director,
Personnel Services

March 29, 1996

James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, and in response to your January 19th. letter addressing groundwater monitoring specifically, the following report regarding underground tanks at this location is submitted.

It is the District's intent to conduct quarterly monitoring of the groundwater during April, July, August and January. Samples drawn at these times will be analyzed and the results reported to your agency. Subsequent to the review of the initial results, the District will review with you the need for additional groundwater monitoring wells.

With respect to complete remediation, the District feels that it should be accomplished in conjunction with the upgrading and removal of the tanks. When the existing tanks are removed, definitive soil samples will be performed. Therefore, we request your permission to defer until additional water samples are tested and/or the remaining tanks are removed. It is our intention to budget for both actions at the same time.

I am available to discuss this matter. However, I would like to have the results of the April sample as a means to compare with the original sample taken during the installation of the groundwater monitoring well, so that we can have a meaningful exchange.

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James C. Strozier, REHS
March 29, 1996
Page 2

If you have any questions prior to receipt of the sample results, please call me at 714-489-7365.

Sincerely,


David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Assistant Superintendent, Operational Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

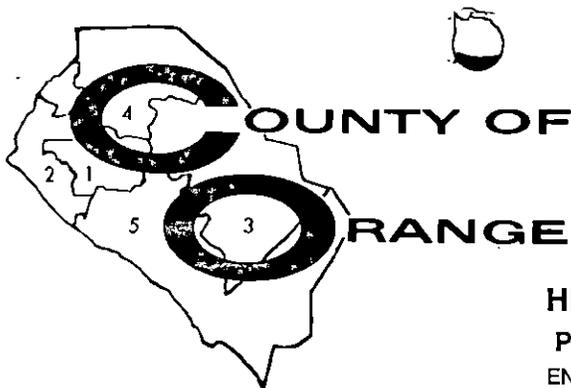
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COMMUNICATIONS SECTION
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

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HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

January 19, 1996

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

David Randall, Jr.
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Groundwater Monitoring

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

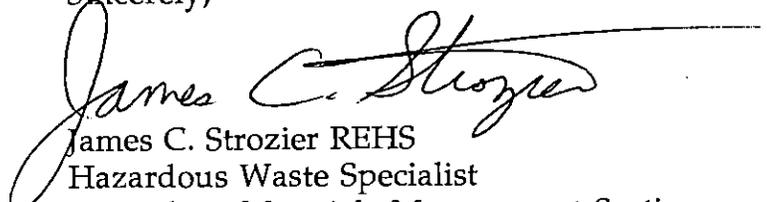
Dear Mr. Randall:

This Agency has reviewed the December 1995, Soil and Groundwater Investigation Report prepared by The Reynolds Group. Based upon the results of the well installation, it appears that the groundwater at the site has been significantly affected by the release of gasoline.

Please provide to this Agency a schedule for continued monitoring of the groundwater well and for preparation of a plan for further assessment of the groundwater contamination and/or corrective action. The schedule must be submitted to this Agency within forty-five (45) days after receipt of this letter.

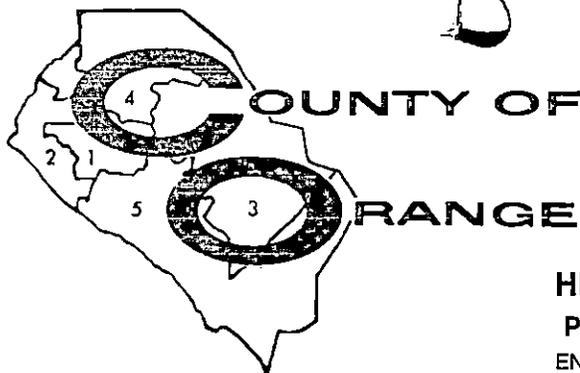
If you have any questions, please call me at (714) 667-3711.

Sincerely,


James C. Strozier REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

JCS

cc: John Odermatt, San Diego Regional Water Quality Control Board
Douglas Hodge, The Reynolds Group



TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

December 15, 1995

David Randall, Jr.
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Monitoring Well Installation

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Randall:

This Agency has reviewed the December 1995, Single Groundwater Well Installation report and the revised plot plan with well location prepared by The Reynolds Group. This plan is acceptable to this Agency provided the following considerations are addressed:

1. Soil samples must be analyzed at a minimum of five foot intervals, or where there are obvious signs of contamination such as odors, discoloration, etc.
2. Please notify this Agency at least forty-eight (48) hours in advance of the well installation and groundwater sampling.

If you have any questions, please call me at (714) 667-3711.

Sincerely,

James C. Strozier REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health

JCS

cc: John Odermatt, San Diego Regional Water Quality Control Board



Capistrano Unified School District

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Deputy Superintendent

CARLEEN WING CHANDLER
Associate Superintendent,
Business/Fiscal Services

DANIEL J. CRAWFORD
Assistant Superintendent,
Operational Services

DAVID A. DOOMEY
Assistant Superintendent,
Facilities Planning

WILMA J. HARVEY
Executive Director,
Personnel Services

December 21, 1995

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

Based on our meeting on October 5, 1995, the District solicited bids for a monitoring well and selected the Reynolds Group to do the installation. I appreciate your quick review and approval of the Single Ground Water Well Installation Report; this allowed the District to complete the work over the Winter Break. As you are aware by your presence, the well was installed on December 20, 1995. Based on observations at the site, it appears that the five-foot interval sample should provide an assessment of the level of soil contamination. Additionally, Doug Hodge will collect a water sample on either December 26th. or 27th. He anticipates having the results ready by the second week of January.

The District is in the final design phase for the Transportation Center to be constructed in Aliso Viejo. The project will be submitted to the State following the same approval process the District would use for a new school site.

The District intends to continue with a reduced portion of transportation operation being conducted out of the current site. With this decision to maintain operations at the Capistrano Beach site, the District will look toward upgrading the current fuel facility. This

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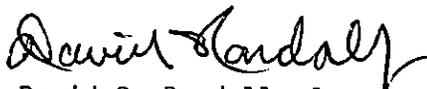
James C. Strozier
December 21, 1995
Page 2

will necessitate the removal/replacement of the current tanks. Should the tank removal sites require remediation, that would be an opportune time to accomplish both tasks.

I recognize that the sample soil analysis will have a significant bearing on the actions that are deemed appropriate. I just wanted you to know what the future District plans were for the current site.

I will be available after the holidays to discuss the soil/water analysis results and to determine what action is deemed appropriate. If you have any questions prior to our meeting, please call me at 714-489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:mt

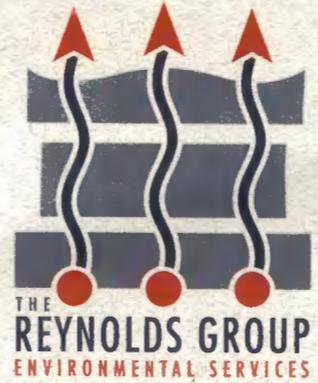
cc: Daniel J. Crawford, Assistant Superintendent, Operational Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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DEC 26 1995

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



Wednesday, December 13, 1995

Jim Strozier
Hazardous Waste Specialist
ORANGE COUNTY
HEALTH CARE AGENCY
Environmental Health Division
2009 E. Edinger Avenue
Santa Ana, California 92705

**SUBJECT: CAPISTRANO UNIFIED SCHOOL DISTRICT
LOCATION OF SINGLE MONITORING WELL**

Dear Mr. Strozier:

Please find a copy of the revised Figure 2 showing the location of the proposed ground water monitoring well at Capistrano Unified School District property located at 26126 Victoria Blvd., Capistrano Beach, California. Please attach this figure to our work plan submitted December 12, 1995.

If you have any question, please give me a call at 714-730-5397. We have tentatively scheduled the work for the early part of next week.

Sincerely,
THE REYNOLDS GROUP
a California Corporation by:

Douglas S. Hodge, Ph.D.
Technical Director

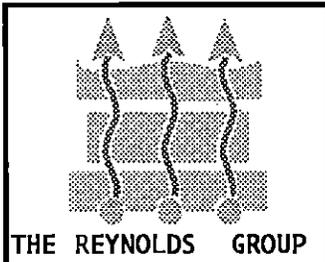
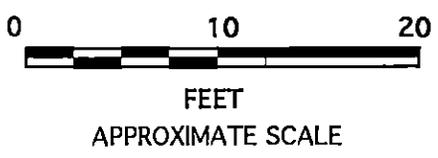
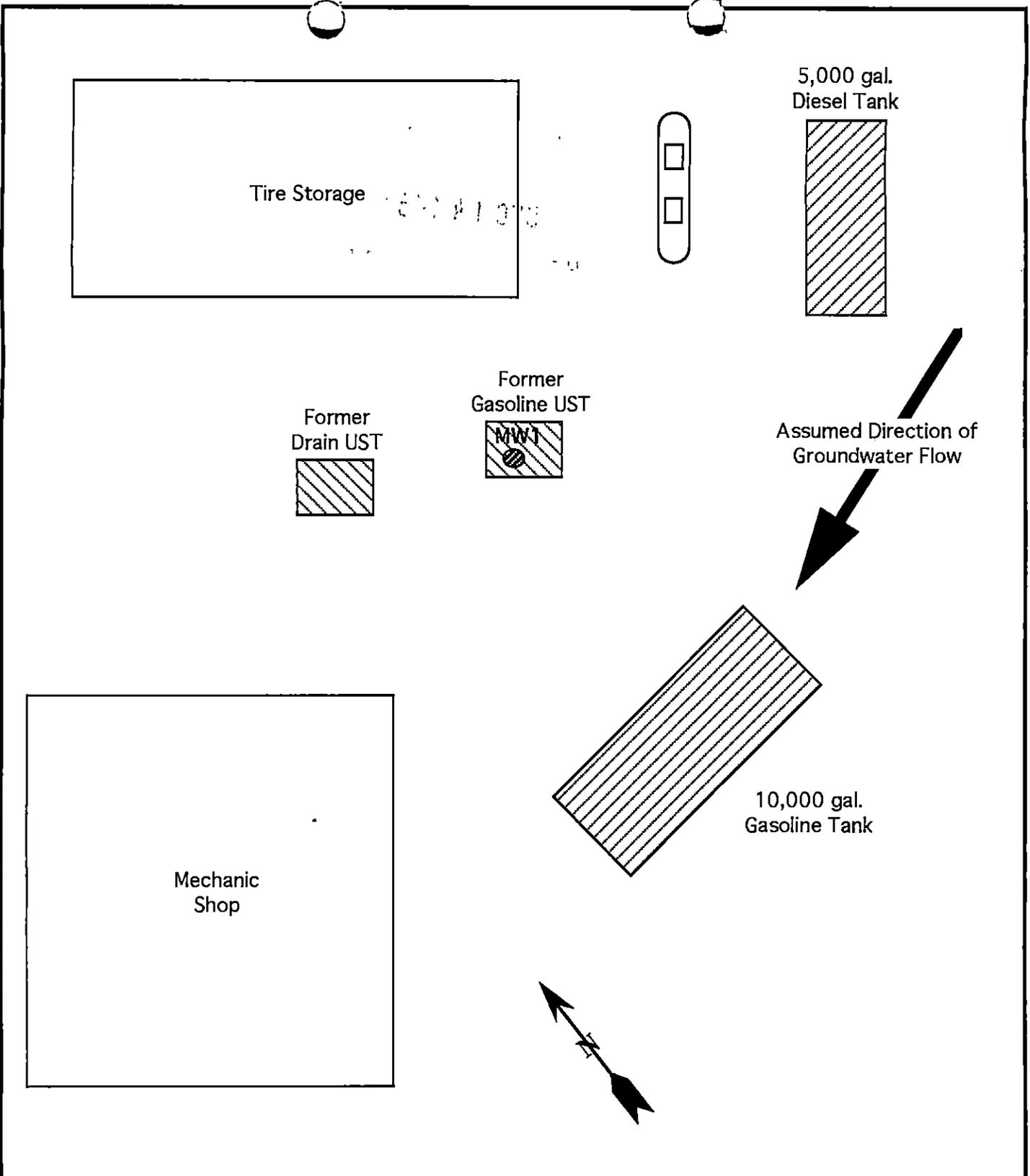


FIGURE 2
PLOT PLAN WITH WELL LOCATION
 CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BOULEVARD
 CAPISTRANO BEACH, CALIFORNIA
 DECEMBER 1995

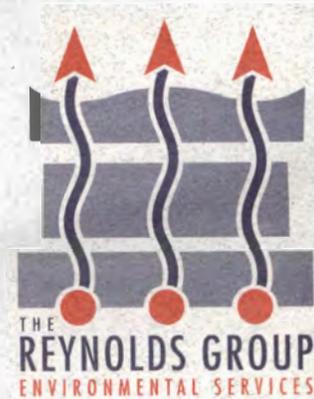
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HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

December 12, 1995

Mr. Jim Strozier
Hazardous Waste Specialist
ORANGE COUNTY HEALTH
CARE AGENCY
Environmental Health Division
2009 Edinger Avenue
Santa Ana, CA 92705



SUBJECT: CAPISTRANO UNIFIED SCHOOL DISTRICT SINGLE MONITORING WELL

Dear Jim,

A work plan is being hand delivered to you today to install one 4 inch diameter groundwater well at the subject site.; A site drawing is attached showing where we believe an optimal place for the single monitoring well would be. We'd like to complete the work before Christmas and get you the data as soon as possible.

We understand your emphasis on the word minimum work (referring to one well), but at least this is a start. I'm sure in your official response letter you will clarify this with the client.

Our direct telephone number is (714)730-5397.

Sincerely,
THE REYNOLDS GROUP
A California Corporation by:

F. Edward Reynolds, Jr., P.E.

cc: Adolph Olivare, Capistrano U.S.D.

FER/rf/strozier.ltr

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DEC 12 1995

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (714) 489-7000/FAX 240-6241

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Director,
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DAVID S. RANDALL, JR.
Director, Transportation

September 29, 1995

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

The District is finalizing the site plan for a new Transportation Facility in Aliso Viejo that will be submitted to the State. The building design is in the final phase. The District will proceed with the project through the same approval process followed for school sites.

The District intends to continue a reduced portion of the Transportation operation out of the current site. However, the City of Dana Point is in the lengthy process of developing the Doheny Village Specific Plan (Capistrano Beach), their final determination could greatly affect the economic potential for this property.

With the decision to maintain operations at the Capistrano Beach site, the District is reviewing its options to remediate the closed tank site and upgrade the current fuel facility. The District still maintains the perspective that the closed site poses no known environmental threat. I will keep your Agency apprised of the events as they unfold.

**DRUG USE
IS
LIFE ABUSE**

James C. Strozier, REHS
June 29, 1995
Page 2

I look forward to our meeting on October 5, 1995 and would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,


David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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Environmental Health Division
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O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

The District is moving forward with site plan for a new Transportation Facility in Aliso Viejo. The building design is in the initial phase. The District will proceed with the project through the same approval process followed for school sites as required at the State level.

Use for the current property at this site is still under discussion. The City of Dana Point is in the lengthy process of developing the Doheny Village Specific Plan (Capistrano Beach) which will determine the economic potential for this property.

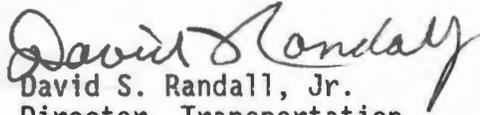
The District's position is to maintain the status quo, as current information indicates that the closed site poses no known environmental threat. It remains the District's intent to remediate the closed tank site upon either removal/refurbish of the current tanks/pumps or alternate use of the site. I will keep your Agency apprised of the events as they unfold.

**DRUG USE
IS
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James C. Strozier, REHS
June 29, 1995
Page 2

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,


David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

Capistrano Unified School District

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Director, Transportation

March 31, 1995

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
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26126 Victoria Boulevard
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O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

The District is moving forward with site development for a new Transportation Facility in Aliso Viejo. Plans for building design are in the development phase. The District will proceed with the project through the same approval process followed for school sites as required at the State level. A public hearing is set for the Regular School Board Meeting at 7:00 PM on April 17, 1995.

Use for the current property at this site is still under discussion. The City of Dana Point is in the lengthy process of developing the Doheny Village Specific Plan (Capistrano Beach) which will determine the economic potential for this property.

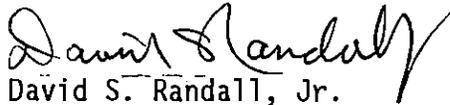
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**DRUG USE
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James C. Strozier, REHS
March 31, 1995
Page 2

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,


David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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HEALTH CARE AGENCY
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Capistrano Unified School District

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Telephone (714) 489-7000/FAX 240-6241

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Director, Food Services

DAVID S. RANDALL, JR.
Director, Transportation

January 10, 1995

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
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Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

The District continues with site development for a new Transportation Facility in Aliso Viejo. Plans for building design are in the development phase. The District will proceed with the project through the same approval process followed for school sites as required at the State level.

Use for the current property at this site is still under discussion. The City of Dana Point is in the lengthy process of developing the Doheny Village Specific Plan (Capistrano Beach) which will determine the economic potential for this property.

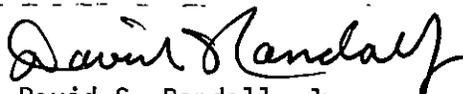
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DRUG USE
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James C. Strozier, REHS
January 10, 1995
Page 2

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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JAN 13 1995

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

[Faint handwritten signature]



MEMO

July 27, 1994

To: Karen Hodel
From: Bill Diekmann
Subject: Capistrano Unified School District

At the Capistrano Unified School District Transportation Yard there exists a 1990 LUST cleanup case (90UT28) which has not been worked by the RP since June-September 1990. The school district blames the lack of progress on the uncertain future of the site (see the attached letter). They believe the site will be abandoned in the future and want to wait to do remediation when the present tanks are removed. Because of the high contaminate levels present and recent GSA case problems Mr. Strozier believes he can no longer give the school district the time they want. This time seems to extend on year after year. Jim would like to send a pre-NOV but policy developed by Mr. Miller requires this Agency to meet with school district representatives before taking this step toward legal action. We would like to meet with you to discuss the situation and receive direction.



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (714) 489-7000/FAX 240-6241

90UT 28

40

June 29, 1994

Benzene 21 ppm at 20 ft.

TPH 3100 ppm at 20 ft.

G.W. at 28-30 ft. b.g.

No work done since Jan - Sept
of '94

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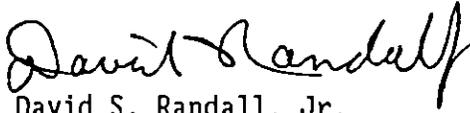
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DRUG USE
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James C. Strozier, REHS
June 29, 1994
Page 2

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Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

6strozie



Capistrano Unified School District

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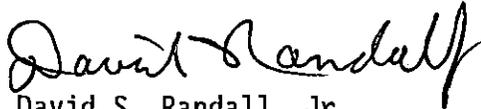
Serving the Southern California communities of

Aliso Viejo • Coto de Caza • Dana Point • Laguna Niguel • Mission Viejo • Rancho Santa Margarita • San Clemente • San Juan Capistrano

James C. Strozier, REHS
June 29, 1994
Page 2

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

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David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

6strozie

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JUL - 6 1994
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



DataQuick

YRBLT : 1947	#UNITS:	GARTYP:	POOL :
ROOMS :	LOTSZ : 6000	#GARSP:	
BEDBTH:	SQR/FT: 813		

APN : 668-361-01 USE : MISCELLANEOUS
 OWNRS : SCHOOL CAPISTRANO UNIFIED DIST/SCHOOL CAPISTRAN PHONE :
 SITE : 26126 VICTORIA BLVD*CAPISTRANO BEACH C 92624 CENSUS: 422.01
 MAIL : 32972 CALLE PERFECTO*SAN JUAN CAPISTRA 92675 TRACT : 735
 PG-GRD: (old) 38-B4 (new) 972-B6 BL/LOT: 00004/1
 LEGAL : TR 735 LOT 1 BLK 4 INC ABAN ALLEY ADJ ON SE -

ASSD : \$938,081	TXAREA: 28019	SALEDT:	SALEAM: UNAVAIL
LAND : \$226,547	TAXAMT:	DOC# : 54	LENDER:
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LAST TRANS W/O \$:		PREVDT:	PREVAM: UNAVAIL

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ROOMS :	LOTSZ : 5.60A	#GARSP:	
BEDBTH:	SQR/FT:		

Pause



Dial DataQuick

PRIORITIZATION WORKSHEET FOR LUFT SITES

Check The Following Boxes Which Apply
Where Needed, Provide Further Explanation On Back

Case LD.#:

904728

Initial

Name:

Capistrano Unified School District Transportation Yard

Reevaluation

Address:

26126 Victoria Capistrano Beach

PRIORITY 1 - HIGH PRIORITY SITES

A. Current drinking water source - impacted or likely to be impacted through future migration.

- 1. Currently used municipal or domestic well impacted, i.e., drinking water wells where MCLs are exceeded.
- 2. Currently used municipal or domestic well threatened, (e.g. release site (GW) within 2000 feet of currently used well and/or possible vertical conduit exists to deep zone - that is used as drinking water source for the threatened well).
- 3. Currently used identified "Sole Source Aquifer" is impacted.
- 4. Other currently used municipal or domestic aquifer is impacted.
- 5. Currently used aquifer threatened by future migration (i.e. lateral pollutant transport or vertical movement through conduits).

B. Known health/safety/environmental impacts requiring prompt action.

- 1. Vapors at explosive levels in confined spaces, i.e., sewers or basements.
- 2. Vapors detected above human health safe levels at or near human receptors.
- 3. Free product in soil or groundwater.
- 4. Surface water/aquatic environment impacted (surface sheen or habitat covered).
- 5. Soil quality levels exceed human health safe levels and exposure likely, given existing site conditions.

C. Administrative need exists.

- 1. 2004 Funding available through "letter of commitment".
- 2. Enforcement action follow-up is necessary.
- 3. Closure request received by the responsible agency.
- 4. Public, Responsible Party or Political concerns require expeditious efforts.

PRIORITY 2 - MODERATE PRIORITY SITES

A. Water resource other than currently used drinking water is or may be impacted.

- 1. Existing beneficial use (other than municipal supply) is impacted.
- 2. Potential Source of Drinking Water (defined by SWRCB Policy 88-63) significantly impacted with high probability of future use.
- 3. Existing beneficial use threatened (requires mitigation study).
- 4. Soil contamination currently exists, requiring additional investigation of groundwater and/or soil to review threat and reprioritize at sites with designated beneficial uses.

B. Other health/safety/environment impacts are unknown, require additional investigation (groundwater/surface water), and/or health and ecological risk assessment.

- 1. Potential vapors at explosive levels in confined space.
- 2. Potential vapors above human health safe levels with receptors.
- 3. Potential free product at a site.
- 4. Potential for migration to aquatic habitats or surface waters.
- 5. Potential human exposure to soil above safe level.

PRIORITY 3 - LOW PRIORITY SITES

A. Minor or no potential water resource impacts exist.

- 1. No designated beneficial uses of water impacted.
- 2. Potential source of drinking water (defined by SWRCB Policy 88-63) with limited or minor impacts.
- 3. Potential source of drinking water (defined by SWRCB Policy 88-63) impacted where low probability of future use is determined.

B. Low potential health/safety/environmental impact exists after investigation and, if necessary, a Health or Ecological Risk Assessment has been completed and accepted.

- 1. Soil only cases with residual contaminated soil left in place.
- 2. Soil only cases where full cleanup achieved.

Specialist:

J. H. [Signature]

Date:

5/16/04



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (714) 489-7000/FAX 240-6241

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Director, Food Services

DAVID S. RANDALL, JR.
Director, Transportation

March 24, 1994

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

The District is moving forward with the Design Phase of the new Transportation Facility in Aliso Viejo. Plans for both the site lay-out and physical structures are being developed. The District has received Preliminary Community Planning Approval and will be seeking Conceptual Plan Approval at the County level.

The ultimate use for the current property at this site is still under discussion. The City of Dana Point is in the lengthy process of developing the Doheny Village Specific Plan (Capistrano Beach) which will determine the economic potential for this property.

Given these two major undertakings, the District's position is to maintain the status quo, as current information indicates that the closed site poses no known environmental threat. It remains the District's intent to remediate the closed tank site upon either removal/refurbish of the current tanks/pumps or alternate use of the site. I will keep your Agency apprised of the events as they unfold.

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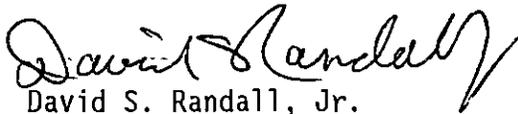
MAR 28 1994

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

James C. Strozier, REHS
March 24, 1994
Page 2

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crawford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

5strozie

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MAR 28 1994

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ENVIRONMENTAL HEALTH



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675

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Executive Director
Facilities Planning and Funding

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Director, Food Services

DAVID S. RANDALL, JR.
Director, Transportation

December 22, 1993

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements, the following progress report regarding underground tanks at this location is submitted.

Continuing with the status quo, the District believes that the tank removal site poses no immediate environmental threat to the area. Also, the detectable depth of the plume is separated by some distance from the ground water level. Therefore, the current action contemplated by the Capistrano Unified School District is to retain the current underground tank excavation site in its current status and will remediate the site when either the current tanks are moved or the Transportation facility is relocated.

As previously stated, the District has been seeking a site suitable for a new Transportation facility. At the School Board meeting of November 29, 1993, the Board of Trustees approved the purchase of an 8.126 acre site in the community of Aliso Viejo and at the same time provided the funding to design, engineer, build and equip a new Transportation Center. The approximate cost for the total project is estimated at \$7,800,000.

Once the planning for the new center is into the implementation phase, the District will focus on the potential conversion usages for the current site located on Victoria Blvd. Those plans will include the remediation of the tank removal site and the modernization or removal of the current active fuel facility. I will

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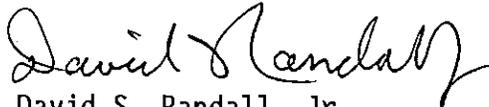
Aliso Viejo • Coto de Caza • Dana Point • Laguna Niguel • Mission Viejo • Rancho Santa Margarita • San Clemente • San Juan Capistrano

Mr. James C. Strozier, REHS
December 22, 1993
Page 2

keep your office apprised of the time line as it is developed.

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:mt

cc: Daniel J. Crowford, Executive Director, Facilities Construction & Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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DEC 22 1993

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (714) 489-7000/FAX 240-6241

September 30, 1993

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DAVID S. RANDALL, Jr.
Director, Transportation

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements and your most recent correspondence, the following progress report regarding underground tanks at this location is submitted.

As previously stated in the past quarterly report, I believe that the status quo issue regarding the tank site removal poses no immediate environmental threat to the area. Also, the detectable depth of the plume is separated by some distance from the ground water level. Therefore, the current action contemplated by the Capistrano Unified School District is to retain the current underground tank excavation site in its current status and will remediate the site when either the current tanks are moved or the Transportation facility is relocated.

Since my last letter of June 25, 1993, I want to inform you the District is actively pursuing a land swap to build a new transportation yard. I understand negotiations are underway. Will remediate when relocated.

**DRUG USE
IS
LIFE ABUSE**

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,

David Randall Jr.

David S. Randall, Jr.
Director, Transportation

DSR:klh

cc: William F. Dawson, Assistant Superintendent, Facilities &
Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control
Board

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Maintenance, Operations,
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DAVID A. DOOMEY
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Facilities Funding Administration

DAVID S. RANDALL, Jr.
Director, Transportation

June 28, 1993

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized
Release from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirements and your most recent correspondence, the following progress report regarding underground tanks at this location is submitted.

As previously stated in the past quarterly report, I believe that the status quo issue regarding the tank site removal poses no immediate environmental threat to the area. Also, the detectable depth of the plume is separated by some distance from the ground water level. Therefore, the current action contemplated by the Capistrano Unified School District is to retain the current underground tank excavation site in its current status and will remediate the site when either the current tanks are moved or the Transportation facility is relocated.

In this year's fiscal budget, a line item has been presented to the Board of Trustees that \$165,000 be allocated for tank removal in the upcoming fiscal year. Once the budget is approved by the District, I will know whether the allocation has been approved. Additionally, there is ongoing discussion between the District and local communities for relocation of the transportation site and a land swap situation that would permit this to occur.

**DRUG USE
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LIFE ABUSE**

I would appreciate any input you have regarding these proposed actions. If you need to discuss these contemplated actions or have any other questions, please call me at 714/489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:sli

cc: William F. Dawson, Assistant Superintendent, Facilities &
Support Services
Rosalind Dimenstein, San Diego Regional Water Quality Control
Board

(Handwritten signature)

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JUL 01 1993

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Director,
Facilities Funding Administration

DAVID S. RANDALL, Jr.
Director, Transportation

March 24, 1993

Mr. James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P O Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unauthorized Release
from an Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #9OUT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirement and your letter of March 19, 1993, the following progress report regarding the underground tanks at this location is submitted.

In this quarter, we have put a proposal forward to the School Board under Capital Expenditure Items that would include a renovation of the entire fuel system within the Transportation Department. This matter is under review by the School Board at this point in time. One of two things will happen within the next fiscal year. Either we will renovate the Transportation site totally to include the tanks, or we will begin discussion of relocation of the Transportation site which would also necessitate clean-up.

I am including as Enclosure 1 a copy of my December 22, 1992 letter wherein I outlined some of the options available as I saw them. I continue to feel that with the separation between ground water and the base of the plume in the two excavation sites, the best option at this point in time is to leave the sites closed and capped. Therefore, once again, I would request that consideration be

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given to permit Capistrano Unified School District to retain the current underground tank excavation sites in its current status, with the perspective that within the near future either the current tanks will be replaced or the Transportation facility will be relocated.

Please provide your input on the actions required to retain the site in its current closed status. If you need to discuss these contemplated actions or have other questions, please call me at (714)489-7365.

Sincerely,



~~David S. Randall, Jr.~~
Director, Transportation

DSR:sli

Enclosure (1)

cc: William F. Dawson, Assistant Superintendent Facilities & Support
Services
Rosalind Dimenstein, San Diego Regional Water Quality Control Board

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MAR 31 1993

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

FILE COPY

December 22, 1992

James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P.O. Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unautho-
rized Release from and Underground Storage
Tank

Re: Capistrano Unified School District
Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirement,
the following progress report regarding the underground
tanks at this location is submitted.

During this quarter, we solicited and received quotes
to install a groundwater monitoring well. The approx-
imate cost was \$6000, as received from four different
firms. Additionally, one firm quotes a soil excavation
and removal cost of over \$15,000 to remove 44 tons,
backfilling and resurfacing with 4" concrete. While
both of these options provide varying degrees of remed-
iation to the current site, I have two single-wall
tanks adjacent to this site that are currently in use.
These will have to be replaced in the near future. My
best assessment is that they will have to be pulled in
1994. At which time, I would remediate the entire
area, and install an updated state-of-the-art fueling
facility that would meet environmental requirements.
The other scenario is that, with in the same time
period, the Transportation Department would be relocat-
ed. Thereby, freeing the current site for other use by
the District.

Enclosure (1)

Mr. James C. Strozier, REHS
December 22, 1992
Page 2

The initial site assessment that indicated no ground water was detected at the forty foot level in any of the borings and that the contamination plum did not extend that deep. It appears that there is sufficient separation between the detectable contaminated area of the plume and the groundwater level to warrant retaining the site as is until the current tanks have to be removed due to age.

In this year of austere budgets, I would request that consideration be given to permit the Capistrano Unified School District to retain the current underground tank excavation site in a "closed and capped" status. It is contemplated that within the near future (not to exceed 1994) either the current tanks will be replaced or the Transportation Facility will be relocated. Either of these actions would require the District to immediately remediate the entire site.

Please provide your input on the actions required to retain the site in its current status. If you to discuss these contemplated actions, or have other questions, please call me at (714) 489-7365.

Sincerely,

David S. Randall, Jr.
Director, Transportation

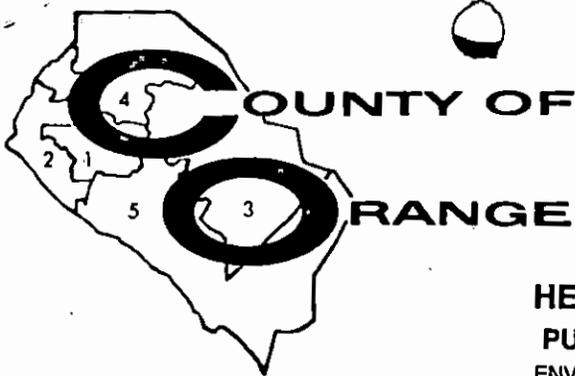
DSR:mh

cc: William F. Dawson, Assistant Superintendent
Facilities and Support Services
Corey Walsh, San Diego Regional Water Quality
Control Board

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MAR 31 1993

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TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

March 19, 1993

David Randall, Jr.
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Quarterly Reporting Requirements for Unauthorized Release from an
Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria Boulevard
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Randall:

Please be advised that this Agency, which is authorized to enforce the State Underground Storage Tank Laws and Regulations, has not received a current progress report regarding the investigation and remedial activities completed to date at the subject location.

The California Code of Regulations, Title 23, Subchapter 16, Section 2652 requires the owner or operator to submit reports to the local agency every three (3) months until the cleanup is complete. A current review of our files indicated that an update report is required which covers the following information:

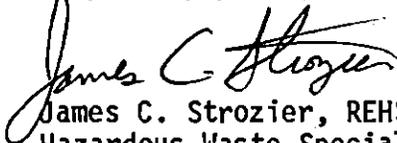
1. A description of the corrective and remedial actions, including investigations which were undertaken and will be conducted to determine the nature, and extent of soil, groundwater or surface water contamination due to the release;
2. The method(s) of cleanup implemented to date, proposed cleanup actions, and a time schedule for implementing the proposed actions.

Please submit to this office a summary update report of the investigative and remedial activities indicated above that have occurred at the referenced

location since these activities were last reported. Include also the results of these activities, where results are available. This report must be submitted within thirty (30) days of the receipt of this letter.

If you have any questions, please call me at (714) 667-3711.

Very truly yours,



James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:cjr

cc: Rosalind Dimenstein, San Diego Regional Water Quality Control Board



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Director,
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December 22, 1992

James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P.O. Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unautho-
rized Release from and Underground Storage
Tank

Re: Capistrano Unified School District
Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirement,
the following progress report regarding the underground
tanks at this location is submitted.

During this quarter, we solicited and received quotes to
install a groundwater monitoring well. The approximate
cost was \$6000, as received from four different firms.
Additionally, one firm quotes a soil excavation and
removal cost of over \$15,000 to remove 44 tons, backfi-
lling and resurfacing with 4" concrete. While both of
these options provide varying degrees of remediation to
the current site, I have two single-wall tanks adjacent
to this site that are currently in use. These will have
to be replaced in the near future. My best assessment is
that they will have to be pulled in 1994. At which time,
I would remediate the entire area, and install an updated
state-of-the-art fueling facility that would meet
environmental requirements. The other scenario is that,
with in the same time period, the Transportation Depart-
ment would be relocated. Thereby, freeing the current
site for other use by the District.

Mr. James C. Strozier, REHS
December 22, 1992
Page 2

The initial site assessment that indicated no ground water was detected at the forty foot level in any of the borings and that the contamination plume did not extend that deep. It appears that there is sufficient separation between the detectable contaminated area of the plume and the groundwater level to warrant retaining the site as is until the current tanks have to be removed due to age.

In this year of austere budgets, I would request that consideration be given to permit the Capistrano Unified School District to retain the current underground-tank excavation site in a "closed and capped" status. It is contemplated that within the near future (not to exceed 1994) either the current tanks will be replaced or the Transportation Facility will be relocated. Either of these actions would require the District to immediately remediate the entire site.

Please provide your input on the actions required to retain the site in its current status. If you want to discuss these contemplated actions, or have other questions, please call me at (714) 489-7365.

Sincerely,


David S. Randall, Jr.
Director, Transportation

DSR:mh

cc: William F. Dawson, Assistant Superintendent
Facilities and Support Services
Corey Walsh, San Diego Regional Water Quality
Control Board

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HEALTH CARE AGENCY
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[Faint handwritten signature]



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Assistant Superintendent,
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Budget and Finance

JACQUELINE PRICE
Director,
Community Relations

September 29, 1992

James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P.O. Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unautho-
rized Release from and Underground Storage
Tank

Re: Capistrano Unified School District
Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In compliance with the quarterly reporting requirement,
the following progress report regarding the underground
tanks at this location is submitted.

We are currently attempting to resolve the discrepancy
between the data in the initial site assessment that
indicated no ground water was detected at the forty foot
level in any of the borings and the discovery that water
was detected at twenty-eight feet when a larger hole was
dug. To this end, a number of environmental consultants
and remediation firms were contacted. Each was provided
a copy of the site assessment and asked to provide a
quote on their recommended methodology for resolving the
discrepancy. The quotes from four firms are due on
October 2, 1992. While each one will submit a quote on
the installation of a groundwater well, there appears to
be a perception by some of the firms that the water
found by the large boring could have been water that was
trapped in the original excavations hole and not repre-
sentative of the true groundwater level.

My objective is to determine whether there is sufficient
separation between the detectable contaminated area of
the plume and the groundwater level to warrant

Mr. James C. Strozier, REHS
September 29, 1992
Page 2

retaining the site as is until the current tanks have to be removed due to age.

Until such time as I can be reasonably sure of the correct groundwater level, I intend to proceed with caution in the obligation of scarce School District funds. If additional borings at alternate down-line locations will help to resolve this issue, I will consider this prior to committing to a monitoring well. Should the data indicate that a monitoring well is necessary, we will have the necessary quotes to make a decision on how to proceed.

If you want to discuss the actions as contemplated, or have any other questions, please call me at (714) 489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

DSR:mh

cc: William F. Dawson, Assistant Superintendent
Facilities and Support Services
Corey Walsh, San Diego Regional Water Quality
Control Board

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OCT 02 1992

HEALTH CARE AGENCY
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Capistrano Unified School District

Excellence in Education

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WILLIAM F. DAWSON
Assistant Superintendent,
Facilities and Support Services

TERRI LUNINE
Assistant Superintendent,
Human Resources

CARLEEN WING CHANDLER
Director,
Budget and Finance

JACQUELINE PRICE
Director,
Community Relations

July 31, 1992

James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P.O. Box 355
Santa Ana, CA 92702

Subject: Quarterly Reporting Requirements for Unautho-
rized Release from and Underground Storage
Tank

Re: Capistrano Unified School District
Transportation Yard
26126 Victoria Blvd.
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Strozier:

In reply to your letter dated July 1, 1992, the follow-
ing progress report regarding the underground tanks at
this location is submitted.

On February 14, 1992 the fuel tanks in the Transporta-
tion yard were pressure tested as required. The tanks
were certified as being within standard. These results
were forwarded to your agency under separate correspon-
dence. The cost of this annual test was \$1695.

In my previous letter of January 3, 1992, I mentioned
the proposed action of using a groundwater monitoring
well. My objective was to determine whether you felt
that the separation between the detectable contaminated
area of the plume and the groundwater level was suffi-
cient to warrant retaining the site as is until the
current tanks have to be removed due to age. In ab-
sence of an opinion from your agency, I will presume
that you interpose no objection to the first step of
action of a groundwater monitoring station.

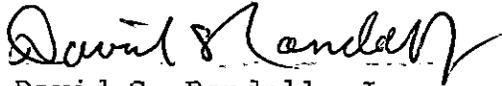
To this end and in keeping with our contracting re-
quirements, the District will have to solicit quotes,
determine best qualified, and then award the work. I
am unable to delineate an exact timetable; however, the

Mr. James C. Strozier, REHS
July 31, 1992
Page 2

sequence as described will be followed. The quarterly updates to your office will provide you with the sequence of events as they occur.

If you want to discuss the actions as contemplated, or have any other questions, please call me at (714) 489-7365.

Sincerely,



David S. Randall, Jr.
Director, Transportation

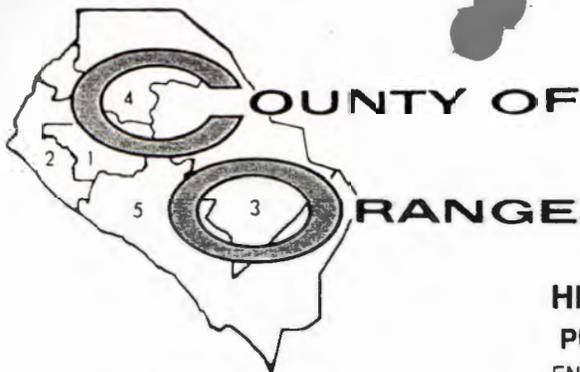
DSR:mh

cc: William F. Dawson, Assistant Superintendent
Facilities and Support Services
Margo Boodakian, San Diego Regional Water Quality
Control Board

EMERGENCY RESPONSE UNIT
JUL 31 1992

RECEIVED

RECEIVED
MAY 03 1992
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



July 1, 1992

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

David S. Randall, Jr.
Capistrano Unified School District
32972 Calle Perfecto
San Juan Capistrano, CA 92675

Subject: Quarterly Reporting Requirements for Unauthorized Release from an
Underground Storage Tank

Re: Capistrano Unified School District Transportation Yard
26126 Victoria
Capistrano Beach, CA 92624
O.C.H.C.A. Case #90UT28

Dear Mr. Randall:

Please be advised that this Agency, which is authorized to enforce the State Underground Storage Tank Laws and Regulations, has not received a current progress report regarding the investigation and remedial activities completed to date at the subject location.

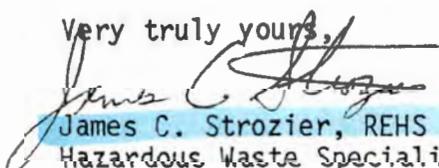
The California Code of Regulations, Title 23, Subchapter 16, Section 2652 requires the owner or operator to submit reports to the local agency every three (3) months until the cleanup is complete. The reports shall at a minimum include an update of the following information:

1. A description of the corrective and remedial actions, including investigations which were undertaken and will be conducted to determine the nature, and extent of soil, groundwater or surface water contamination due to the release;
2. The method(s) of cleanup implemented to date, proposed cleanup actions, and a time schedule for implementing the proposed actions;

Please submit to this office a summary report of the investigation and remedial activities that have occurred at the subject location. This report must be submitted within thirty (30) days of the receipt of this letter.

If you have any questions, please call me at (714) 667-3711.

Very truly yours,


James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:me

cc: Cory Walsh, San Diego Regional Water Quality Control Board

TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, R. S. MPH
DEPUTY DIRECTOR



Capistrano Unified School District

Excellence in Education

32972 Calle Perfecto, San Juan Capistrano, California 92675 Telephone (714) 489-7000/FAX 240-6241

January 3, 1992

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District Superintendent

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Assistant Superintendent
Instructional Operations

WILLIAM F. DAWSON
Assistant Superintendent,
Facilities and Services

LINDA A. KRONER
Director,
Employee Relations

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Director,
Fiscal Services

JACQUELINE PRICE
Community
Relations Officer

James C. Strozier, REHS
Orange County Health Care Agency
Environmental Health Division
P.O. Box 355
Santa Ann Ca. 92750

Subject: Quarterly Reporting Requirements for
Unauthorized Release from an Underground
Storage Tank Located at Capistrano Unified
School District, 26126 Victoria Blvd.,
Capistrano Beach, CA. 92624--O.C.H.C.A. Case
#90UT28

Dear Mr. Strozier:

In response to your letter of December 4, 1991, the following summary is submitted in compliance with the California Code of Regulations, Title 23, Subchapter 16, Section 2652.

In 1989 two 550 gallon tanks were removed from the transportation site, one was a waste oil tank and the other a diesel fuel tank. Soil samples taken at that time (12/89) indicated the presence of hydrocarbon contamination as a result of overspillage over the years. The original soil was replaced in the excavated holes and resealed with cement.

Based on the results of the original soil samples, in May of 1990 Hekimian & Associates, Inc. was contracted to conduct a Site Assessment. The Site Assessment Plan was completed on May 29th and the Site Assessment Report and Remedial Action Plan was accomplished on August 6, 1990; copies of each of these documents were forwarded to your office. For purposes of this initial report the key elements of these assessments are included herein:

Five vertical soil sample borings were conducted on June 14, 1990.

Mr. James C. Strozier, REHS
January 3, 1992
Page 2

These borings were spaced around the diesel tank excavation site, one at the center to a depth of 40 feet the other four in cardinal directions to a depth of 30 feet.

Correct protocol was used and samples from every five feet were tested at a State-certified laboratory with appropriate chain-of-custody.

Results indicated that the contaminants are gasoline and diesel.

Slight amounts of aromatic volatile hydrocarbons (BTEX) were detected in some of the soil samples.

The extent of the contamination is defined by the area of the diesel tank removal site. At the center of this area there are significant levels of TPH's (diesel & gasoline) and minimal amounts of BTEX at 25 feet below grade. The BTEX levels were non-detectable at 30 feet. Samples from the rest of the cardinal direction borings, however, indicated insignificant levels of TPH at 25 feet and non-detectable levels of BTEX at 30 feet. Based on these findings the contamination plume is determined to be limited to the vicinity of the diesel tank site from the surface to between 20 and 25 feet. Subsequent to the soil removal the sites were resurfaced with cement and have remained covered.

At the time of the boring, groundwater was not detected. Based on a well located to the northwest and at a lower elevation that had groundwater at 13.5 feet, the estimated depth was at between 33.5 and 43.5 feet. Additional inquiries with local municipalities proved unsuccessful in determining the approximate groundwater table in the immediate vicinity. Therefore, in September of this year, an on-site boring was conducted by Dick Howell's Hole Drilling Service, Inc.; which determined that the groundwater depth at a spot adjacent to the excavation site was 28 feet. A copy of their finding is enclosed. While no testable samples were taken, a visual observation of the surface of the water at depth showed no sign of a petroleum sheen on the surface and neither was there an odor of gasoline at depth.

Mr. James C. Strozier, REHS
January 3, 1992
Page 3

To date the investigation costs are:

Hekimian & Associates, Inc Site Assessment Plan,
Site Assessment Report and Remedial Action Plan--
\$14,990.00

Dick Howell's Hole & Drilling Service Inc.--\$962.50

The recommended remediation by Hekimian & Associated Inc. is local excavation. Estimates, just to remove the soil, to accomplish this action range between \$17,000.00 and \$21,500.00. The treatment, transport or disposal of the soil would be additive. One quote for site excavation and restoration is \$36,250.00. In this era of shrinking state-wide educational budgets, it is prudent to explore the most cost effective means of expending the taxpayer dollars to achieve the required results.

Inasmuch as there appears to be a separation between the detectable contaminated area of the plume and the groundwater level, the proposed action at this time is to install a groundwater monitoring well at a downgradient location to sample and test for TPH and BTEX to determine if the groundwater has been impacted.

In the near term it will be necessary to replace the two current active underground storage tanks (diesel and gasoline) with a state-of-the-art integrated tank and pumping system capable of meeting the District's growing needs. At that time the intention is to remediate the current contaminated soil and any additional that is detected as result of that excavation.

Should there be any questions regarding this, please call me at (714) 489-7365.

Sincerely,


David S. Randall, Jr.
Director, Transportation

DSR:ch

cc: William F. Dawson, Assistant Superintendent
Facilities and Support Services
Margo Boodakian, San Diego Regional Water Quality
Control Board



CAL. ST. CONT. LIC. 274049

Oil Field and Construction Drilling

DICK HOWELL'S HOLE DRILLING SERVICE, INC.

4569 EASTBROOK AVENUE
LAKEWOOD, CALIFORNIA 90713
(213) 424-5603

SEPTEMBER 12, 1991

CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA. 92675

ATTENTION: ADOLF

DEAR ADOLF:

DICK HOWELL'S HOLE DRILLING SERVICE, INC. DRILLED A TEST HOLE AND FOUND WATER AT 28 FEET BELOW THE SURFACE AT THE MAINTENANCE FACILITY.

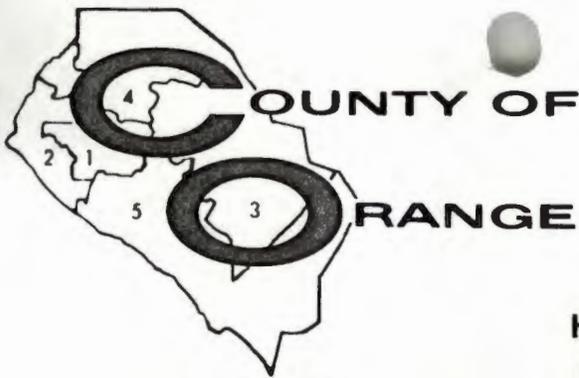
SINCERELY,


R.L. HOWELL

RECEIVED

JAN 08 1992

HEALTH CARE AGENC
Environmental Health



TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, R. S. MPH
DEPUTY DIRECTOR

MAILING ADDRESS: P.O. BOX 355
SANTA ANA, CA 92702

December 4, 1991

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

Dave Randall
Capistrano Unified School District
26126 Victoria Blvd.
Capistrano Beach, CA 92624

Subject: Quarterly Reporting Requirements for Unauthorized Release from an
Underground Storage Tank Located at Capistrano Unified School
District, 26126 Victoria Blvd., Capistrano Beach, CA 92624 -
O.C.H.C.A. Case #90UT28

Dear Mr. Randall:

Please advised that this Agency, which is authorized to enforce the State
Underground Storage Tank Laws and Regulations, has not received a current
progress report regarding the investigation and remedial activities completed
to date at the subject location.

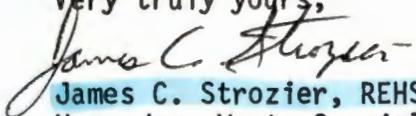
The California Code of Regulations, Title 23, Subchapter 16, Section 2652
requires that the following information be reported to the local agency every
three (3) months until the cleanup is complete:

1. The results of all investigations completed at that time to determine
the extent of soil or groundwater or surface water contamination due to
the release.
2. Method of cleanup implemented to date, proposed cleanup actions, and
approximate cost of actions taken to date.
3. Method and location of disposal of the released hazardous substance and
any other contaminated soils or groundwater or surface water (indicate
whether a hazardous waste manifest(s) is utilized).

Please submit to this office a summary report of the investigation and
remedial activities that have occurred at the subject location. This report
must be submitted within thirty (30) days of the receipt of this letter.

If you have any questions, please call me at (714) 667-3711.

Very truly yours,



James C. Strozier, REHS
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:me

cc: Margo Boodakian, San Diego Regional Water Quality Control Board

HEKIMIAN & ASSOCIATES, INC.

ENVIRONMENTAL ENGINEERS / CONTRACTORS

16571 Gemini Lane
Huntington Beach, CA 92647
(714) 841-6288
FAX (714) 848-2603

FACSIMILE TRANSMITTAL FORM

DATE 6-29 TIME _____ MESSAGE REF.# _____

OF PAGES (INCLUDING TRANSMITTAL FORM): 3

TO: James Strozier FAX # 714-972-0749
name

OCHCA - Luft Program
company

street _____ CONTACT NAME _____

city, state, zip _____ CONTACT# _____

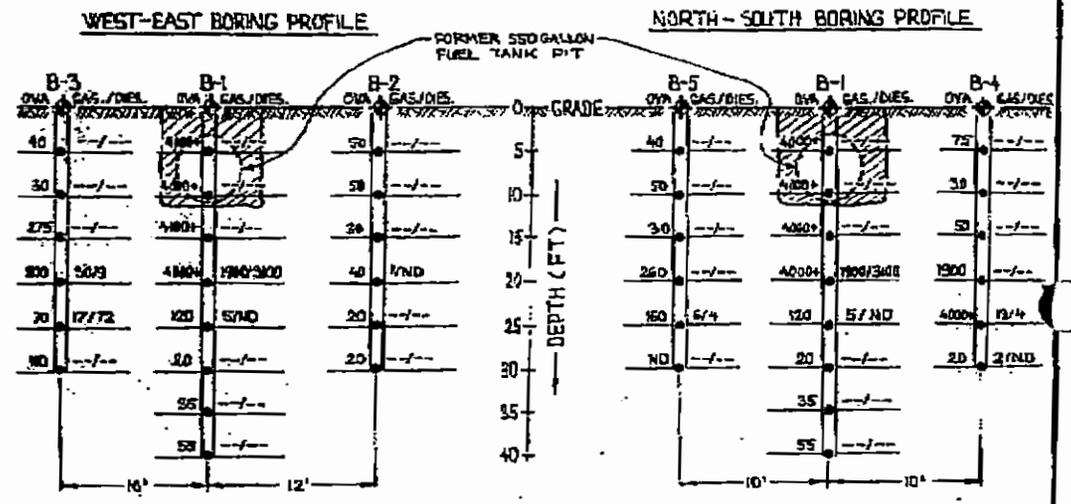
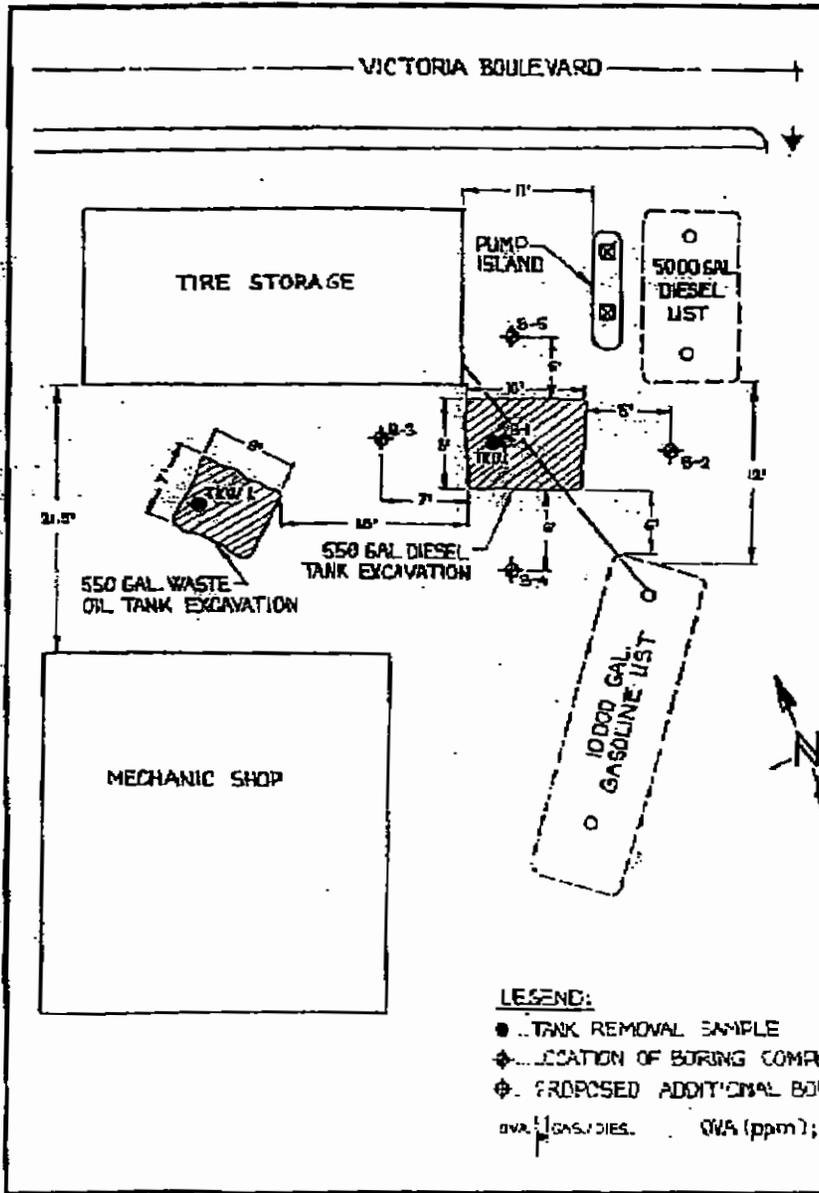
FROM: Julius Ma FAX # 1-714-848-2603
name

RESPONSE REQUESTED: YES PHONE # 1-714-841-6288
NO

FAX MACHINE: MINOLTA FAX 251 COMPATABILITY #'S G-1, G-2, G-3

James =
Please call me after reviewing these results.
We will talk about possible additional works.

Julius



AROMATIC VOLATILE HYDROCARBONS (BTEX, mg/kg)

SAMPLE I.D.	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE
B-1-20	21	190	55	420
B-1-25	0.2	0.1	ND	ND
B-2-20	ND	ND	ND	ND
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-4-25	0.2	0.5	0.3	0.3
B-4-30	ND	ND	ND	ND
B-5-25	0.1	0.2	ND	0.2

HEKIMIAN & ASSOCIATES, INC.
 CONSULTING ENGINEERS AND ENVIRONMENTAL PLANNERS
 16571 Geronimo Lane
 Huntington Beach, CA 92647
 714 841-6288
 FAX (714) 848-2603

SCALE: NTS APPROVED BY: DRAWN BY: Y.S.
 DATE: 6/25/99 REVISION

CAPISTRANO UNIFIED SCHOOL DISTRICT
 26126 VICTORIA BLVD., CAPISTRANO, CA

BORING PROFILES DRAWING NUMBER: FIGURE 2

TABLE 1
SOIL SAMPLE TEST RESULTS
TPH, mg/kg

Depth (ft)	B-1	B-2	B-3	B-4	B-5
	OVA/Gas./Diesel	OVA/Gas./Diesel	OVA/Gas./Diesel	OVA/Gas./Diesel	OVA/Gas./Diesel
5	4Kt/--/--	50/--/--	40/--/--	75/--/--	40/--/--
10	4Kt/--/--	50/--/--	30/--/--	30/--/--	50/--/--
15	4Kt/--/--	30/--/--	275/--/--	50/--/--	30/--/--
20	4Kt/1900/3100	40/1/ND	800/30/9	1900/--/--	260/--/--
25	120/5/ND	20/--/--	70/17/72	4Kt/13/4	160/6/4
30	20/--/--	20/--/--	ND/--/--	20/2/ND	ND/--/--
35	35/--/--				
40	55/--/--				

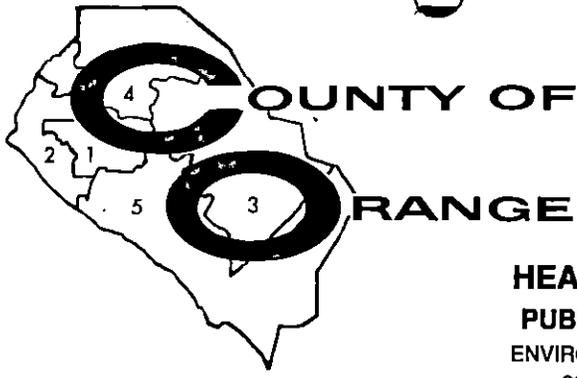
Notes = Gasoline was analyzed by EPA 8015 headspace.
Diesel was analyzed by EPA 8015 extraction.

TABLE 2
AROMATIC VOLATILE HYDROCARBONS
BTEX, mg/kg

Sample I.D.	Benzene	Toluene	E. Benzene	Xylene
B-1-20	21	190	55	420
B-1-25	0.2	0.1	ND	ND
B-2-20	ND	ND	ND	ND
B-3-20	1.1	3.4	0.8	4.3
B-3-25	0.3	0.9	0.6	2.2
B-4-25	0.2	0.5	0.3	0.3
B-4-30	ND	ND	ND	ND
B-5-25	0.1	0.2	ND	0.2

R E C E I V E D
JUN 26 1990

HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS MPH
DEPUTY DIRECTOR

MAILING ADDRESS: P.O. BOX 355
SANTA ANA, CA 92702

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

FAX: (714) 972-0749

FAX TO THE FOLLOWING NUMBER: 848-2603

THE FOLLOWING PAGES ARE FOR:

Name of Individual: Julias Ma

Firm Name: Hekemian and Assoc.

Documents Transmitted: Site Map

Comments: None

FA X E D
BY: JUN 04 1998

From: J. Strasser
HCA/Environmental Health

TOTAL NUMBER OF PAGES:

This Information Sheet plus 1 Page(s)

Date: 6/4/98 Time: 10:15 a.m. _____ p.m.

If you do not receive all the pages PLEASE CALL (714) 667-3771 AS SOON AS POSSIBLE.

FAX Operator: JCS



County of Orange

MEMO

DATE: 1-24-9

TO: Harris/Strozier DEPT/DIST: _____

FROM: Gugy

SUBJECT: _____

Clean-Up Referral.

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
2009 EAST EDINGER, P.O. BOX 355
SANTA ANA, CA 92702
(714) 667-3700

UNDERGROUND TANK INSPECTION FORM

ACCOUNT NO.: 7227
FACILITY NAME: CUSD TRANSPORTATION YARD INSPECTION DATE: 1/18/90
STREET: 26126 VICTORIA BLVD. MAP COORDINATES: _____
CITY: [40] CAPISTRANO BEACH ZIP: 92624 DISTRICT: 19
NEAREST CROSS STREET: CAMINO CAPISTRANO PHONE: () _____
EX CODE: _____ STATUS: _____ PUBLIC AGENCY: YES INSPECTION TYPE: 3
COMPLIANCE: _____ UNDERGROUND: 1. GAS STATION
2. NOT GAS STATION

DEALER/SUPV.: ED ROONEY
NUMBER OF TANKS THIS LOCATION: 2 (TWO WERE REMOVED ON 12/27/89)

BILL TO NAME: _____
STREET: _____
CITY: _____ STATE: _____ ZIP CODE: _____

TANK OWNER (MAILING ADDRESS)
NAME: _____ PHONE: () _____
STREET: _____
CITY: _____ STATE: _____ ZIP: _____

EMERGENCY CONTACT
DAY: _____ PHONE: () _____
NIGHT: _____ PHONE: () _____

RESULTS ^{FOR} ~~FROM~~ SAMPLES ^{FROM} ~~TANK~~ REMOVAL ON 12/27/89 SHOW
SOIL CONTAMINATION IN FOUR OF FIVE SAMPLES TESTED.
TPH FOR WASTE OIL SPOILS PILES ("E" + "S") WERE > 100ppm,
THOUGH BTXE WERE ALL "ND". THE DIESEL TANK PIT + SPOILS
SAMPLES WERE ~~ND~~ ⇒ DIESEL: TPH ≥ 100ppm WITH BTXE, AND
GAS TPH > 10ppm WITH BTXE. (NEXT PAGE)

INSPECTOR #: 222 SIGNATURE: [Signature] DATE: 1/18/90

RECEIVED BY: _____ DATE: 1/1

TYPE 3

ENTER NUMBER: _____

HEALTH INSPECTION REPORT (continued)

Page _____ of _____

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone (714) 667-3600

DBA CUSD ADDRESS _____ CITY _____

ITEM NO.

SINCE THE DIESEL TANK ONCE HELD GASOLINE (SEE "FIELD ACTIVITY" NOTES), THE TPH TESTS FOR BOTH GASOLINE AND DIESEL WERE REQUESTED BY ME. BOTH TESTS REVEALED ~~SIGNIFICANT~~ ~~LEVELS~~ CONTAMINATION ABOVE ACCEPTABLE LEVELS.

BASED ON THESE RESULTS, THE SITE IS CONSIDERED CONTAMINATED. REFER THIS CASE TO CLEANUP.

722
SPECIALIST

R. L. [Signature] 1/18/90

RECEIVED BY _____ DATE _____



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92668 - 714/771-6900

RECEIVED
JAN 11 1990

HEALTH CARE AGENCY
Environmental Health

FAX 714/538-1209

CLIENT

Barney's Inc.
7351 Walnut Avenue
Buena Park, CA 90620

(1646) LAB NO F79211-01
REPORTED 01/05/90

Attn: David K. Oldfield

SAMPLE Soil RECEIVED 12/29/89

IDENTIFICATION CUSD Transportation Yard
26126 Victoria, Capistrano Beach
BASED ON SAMPLE As Submitted with County Seals Intact

WASTE OIL TANK

	TKW1 TANK PIT	TKW2 E spoils	TKW3 S spoils
Hydrocarbons (418.1) (mg/kg)	ND<10	3,200	210
Benzene (mg/kg)	-----	ND< 0.05	ND< 0.05
Toluene (mg/kg)	-----	ND< 0.05	ND< 0.05
Ethyl Benzene (mg/kg)	-----	ND< 0.1	ND< 0.1
Total Xylenes (8020) (mg/kg)	-----	ND< 0.1	ND< 0.1
EPA Method 8010	-----	* ND	* ND

* All compounds were None Detected. See attached list.

ASSOCIATED LABORATORIES

Edward S. Behare, Ph.D.

ESB/ql

cc: O.C. Health Care Dept.

TPH ≥ 100 ppm
8010 "ND"
8020 "ND"

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical •
Microbiological •
Environmental •



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92668 - 714/771-6900

FAX 714/538-1209

CLIENT

Barney's Inc.
7351 Walnut Avenue
Buena Park, CA 90620

(1646)

LAB NO

F79211-02

REPORTED

01/05/90

Attn: David K. Oldfield

SAMPLE

Soil

RECEIVED

12/29/89

IDENTIFICATION

CUSD Transportation Yard
26126 Victoria, Capistrano Beach

BASED ON SAMPLE

As Submitted with County Seals Intact

THIS TANK HELD GASOLINE UNTIL
ABOUT YEARS AGO WHEN
IT WAS CONVERTED TO DIESEL

FUEL

TKD1

TKD2

DIESEL, PIT

DIESEL, SPILLS

Total Hydrocarbons
(TPH DHS) (Diesel) (mg/kg)

300

218

Total Hydrocarbons
(TPH DHS) (Gasoline) (mg/kg)

5,521

1,272

Benzene (mg/kg)

15

2

Toluene (mg/kg)

2

2

Ethyl Benzene (mg/kg)

23

9

Total Xylenes
(8020) (mg/kg)

107

68

DIESEL TPH ≥ 100 ppm

GAS - TPH ≥ 10 ppm

BTXE HIGH

ASSOCIATED LABORATORIES


Edward S. Behare, Ph.D.

ESB/ql

cc: O.C. Health Care Dept.

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Client: Barney's Inc.
Lab No.: F79211-01
Date: January 05, 1990

HALOGENATED ORGANICS - EPA METHOD 8010

LIMITS OF DETECTION
(mq/kg)

Chloromethane	0.02
Bromomethane	0.02
Dichlorodifluoromethane	0.02
Vinyl chloride	0.02
Chloroethane	0.02
Methylene chloride	0.02
Trichlorofluoromethane	0.02
1,1-Dichloroethene	0.02
1,1-Dichloroethane	0.02
trans-1,2-Dichloroethene	0.02
Chloroform	0.02
1,2-Dichloroethane	0.02
1,1,1-Trichloroethane	0.02
Carbon tetrachloride	0.02
Bromodichloromethane	0.02
1,2-Dichloropropane	0.02
trans-1,3-Dichloropropene	0.02
Trichloroethene	0.02
Dibromochloromethane	0.02
1,1,2-Trichloroethane	0.02
cis-1,3-Dichloropropene	0.02
2-Chloroethylvinyl ether	0.02
Bromoform	0.02
1,1,2,2-Tetrachloroethane	0.02
Tetrachloroethene	0.02
Chlorobenzene	0.02
1,3-Dichlorobenzene	0.02
1,2-Dichlorobenzene	0.02
1,4-Dichlorobenzene	0.02



CHAIN OF CUSTODY
 Orange County Health Care Agency
 Environmental Health Division
 Mailing Address: P.O. Box 355, Santa Ana, CA 92702
 Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
 Telephone: (714) 667-3700

BARNEY'S

- ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.
- PLEASE WRITE LEGIBLY.
- ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: COUNTY SEAL(S) INTACT:

CONTAINER IN GOOD CONDITION:

DATE ANALYSIS COMPLETED: 8020 - 12-30-89
8010 - 1-4-90

ANALYST: *[Signature]*

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: CUSD TRANSPORTATION
YARD, 26126 VICTORIA, CA - BEACH

DATE OF COLLECTION: 12/27/89

SAMPLE COLLECTOR/COMPANY: JIM OLDFIELD,
BARNEY'S, INC.

TELEPHONE NO.: 714-522-8673

HCA REPRESENTATIVE: R.L. ALLEN #222
714-667-3709

6.

WASTE OIL
DIESEL + GAS

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TKW1	418.1 FOR TPH. IF TPH > 100PPM, THEN RUN 8010 + 8020		
TKW2	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓		
TKW3	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓		
TKD1	DOHS TPH (DIESEL), TPH (GASOLINE), + EPA 8020 (BTXE)		
TKD2	DOHS " " " " " "		

7.

CHAIN OF CUSTODY

1.	<i>R.L. Allen</i> SIGNATURE	HAZ. WASTE SPECIALIST COMPANY/AGENCY	12/27/89 - 12/27/89 INCLUSIVE DATES/TIMES
2.	<i>W.C. Lane</i> SIGNATURE	<i>J. Foreman</i> COMPANY/AGENCY	12/27/89 - 12-29-89 INCLUSIVE DATES/TIMES
3.	<i>R.A. Gumb</i> SIGNATURE	ASSOC. LABS COMPANY/AGENCY	12/29/89 - INCLUSIVE DATES/TIMES
4.	_____ SIGNATURE	_____ COMPANY/AGENCY	_____ INCLUSIVE DATES/TIMES
5.	_____ SIGNATURE	_____ COMPANY/AGENCY	_____ INCLUSIVE DATES/TIMES
6.	_____ SIGNATURE	_____ COMPANY/AGENCY	_____ INCLUSIVE DATES/TIMES

HEALTH CARE AGENCY
Environmental Health

JAN 11 1990

RECEIVED

[Handwritten signature]

[Faint, mostly illegible handwritten text]

[Faint, mostly illegible handwritten text]

[Faint, mostly illegible handwritten text]



me

TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS MPH
DEPUTY DIRECTOR

MAILING ADDRESS: P.O. BOX 355
SANTA ANA, CA 92702

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

February 22, 1990

Edward Rooney
Capistrano Unified School District
Transportation Yard
26126 Victoria
Capistrano Beach, CA 92624

Subject: Soil and Possibly Contaminated Groundwater Contamination Located
at 26126 Victoria, Capistrano Beach, CA, O.C.H.C.A. Site #90UT28

Dear Mr. Rooney:

Based on inspections and field tests conducted on December 27, 1989
it has been determined that diesel and gasoline contaminated soil and
possibly contaminated groundwater present at the subject location.

This Agency is authorized to enforce the State Hazardous Waste and Under-
ground Storage Tank Laws and Regulations and, under contract with the
State Water Resources Control Board, is responsible for oversight of
cleanup of soil and groundwater contamination resulting from unauthorized
releases from underground storage tanks. By this letter, you are directed
to conduct an investigation to assess the extent and significance of
contamination at the site specified in the subject above.

The objective of this site investigation is to provide sufficient infor-
mation to evaluate 1) the sensitivity of the site, 2) the potential
threat of exposure to humans, 3) remedial actions and/or alternative
mitigation strategies.

At minimum this investigation should include:

1. A clear delineation of the nature and extent of soil and groundwater contamination.
2. A hydrogeological characterization including depth to groundwater and, if groundwater is contaminated, site specific determination of groundwater gradient.
3. The proximity to wells and surrounding land uses; and future use of the site itself.
4. The potential impacts of contamination to public health and the environment, including the potential for contaminant vapor migration and human exposure by inhalation.

Please note that clearance of site investigation, remediation or other mitigation activities by any other agency does not constitute clearance from the Orange County Health Care Agency. The California Health and Safety Code, Section 25298 (c)(4) requires that a person closing an underground storage tank demonstrate to the Orange County Health Care Agency that the site has been investigated to determine if there are any present, or were past, releases, and if so, that appropriate corrective or remedial actions have been taken.

The investigation must include a risk assessment of vapor exposure for all projects involving a change in land use. The risk assessment must include a determination of the excess lifetime cancer risk due to inhalation of vapors from volatile contaminants, both inside and outside buildings. The risk assessment must be submitted for review and approval by this Agency.

Additionally, the project site must be properly secured to eliminate safety hazards and prevent public contact with contaminants present at the site. Any site activity which involves the excavation, disruption, collection, treatment, or removal of contaminated soil or groundwater must be conducted in a manner that precludes public exposure to chemical vapors above background levels.

The California Code of Regulations, Title 23, Subchapter 16, Section 2652 requires that the following information be reported to the local agency every three (3) months until cleanup is complete:

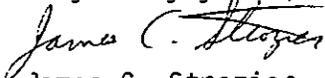
1. The results of all investigations completed at that time to determine the extent of soil and groundwater or surface water contamination due to the release.
2. Method of cleanup implemented to date, proposed cleanup actions, and approximate cost of actions taken to date.
3. Method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water (indicate whether a hazardous waste manifest(s) is utilized).

Violation of these requirements are subject to a civil penalty of up to Five Thousand Dollars (\$5,000.00) per day.

Guidelines providing further information relating to site assessment and the site investigation objectives are available upon request. Although not required, an initial workplan or study design may be submitted to this Agency for review and comment. Please note that for sites with possible or confirmed groundwater contamination, copies of all correspondence, work plans, and reports should be routinely courtesy copied to the appropriate Regional Water Quality Control Board.

If you have any questions, please contact me at (714) 667-3711.

Very truly yours,



James C. Strozier
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

JCS:11

cc: Orange County Fire Department
Margo Boodakian, San Diego Regional Water Quality Control Board

89-PC-400

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 8
1725 WEST 175H STREET, P.O. BOX 335
SANTA ANA, CA 92702
UNDERGROUND TANK INSPECTION FORM

TYPE 7
REMOVAL

ACCOUNT NO.: 7227-5 PERMIT NO.: ENTERED JAN 08 1990 FMA

FACILITY NAME: CUSD TRANSPORTATION YARD INSPECTION DATE: 12, 27, 89

STREET: 26126 VICTORIA BLVD. MAP COORDINATES: 38-B5

CITY: [40] CAP. BEACH ZIP: 92624 DISTRICT: 19

NEAREST CROSS STREET: CAMINO CAPISTRANO PHONE: (714) 496-1215

EX CODE: STATUS: PUBLIC AGENCY: YES

COMPLIANCE: PERMIT DATE: / / UNDERGROUND: 1 . GAS STATION
2 . NOT GAS STATION

STATE VARIANCE: []

NUMBER OF TANKS THIS LOCATION: 4 → 2 DEPTH TO WATER TABLE: (FT.)

DEALER SUPV.: ED. ROONEY PHONE: (714) 496-1215

TANK OWNER (MAILING ADDRESS)

NAME: CUSD 21 PHONE: ()

STREET: 32972 CALLE PERFECTO

CITY: SAN JUAN Cap. ST: CA ZIP: 92675

EMERGENCY CONTACT PERSONS

NAME: ED ROONEY PHONE: (714) 496-1215

NIGHTS: PHONE: ()

REMOVAL OF 2 550-gal. STEEL TANKS
(4 → 2).

INSPECTOR #: 222 SIGNATURE: [Signature] DATE: 12, 27, 89

RECEIVED BY: DATE: / /

ELAPSED TIME: 90 (MIN.)

89-PC-490

R NUMBER: _____

HEALTH INSPECTION REPORT (continued)

Page _____ of _____

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone (714) 667-3600

DBA CUSD TANK Pull ADDRESS _____ CITY CAP. BEACH

ITEM NO.

EVIDENTLY TRAPPED AND HELD THE CONTAMINATION. CINDER BLOCKS (FROM AN OLD CESSPOOL?) WERE ALSO FOUND IN THAT BLUE-GREY CLAY. ED ROONEY, DIRECTOR OF CUSD TRANSPORTATION TOLD ME THAT THE TANK WAS USED FOR REGULAR GASOLINE UNTIL ABOUT 4 YEARS AGO WHEN THE TANK WAS SWITCHED TO DIESEL. THE TANK MAY HAVE BEEN REPIPED ABOUT THAT TIME, ACCORDING TO MR. ROONEY. THE TANKS ARE ABOUT 35 YEARS OLD AND THE PIPING IS OBVIOUSLY MORE RECENT. SAMPLES?

- } DIESEL { TKD1 - GAS ODOR, ~~GREY~~ BLUE-GREY CLAY, 8' DEPTH
- } DIESEL { TKD2 - SLIGHT GAS ODOR, SANDY SOIL, 10" INTO PILE.
- } WASTE OIL { TKW1 - 2' UNDER TANK BOTTOM, 8' BELOW SURFACE, SANDY SOIL.
- } WASTE OIL { TKW2 - SPOILS, NEAR FILL PIPE, 10" INTO PILE.
- } WASTE OIL { TKW3 - SPOILS, BACKFILL SOIL, 10" INTO PILE. (LIGHT TAN SAND)

#222 SPECIALIST [Signature] 12/27/89 RECEIVED BY _____ DATE _____

FIELD ACTIVITY DESCRIPTION

89-PC-490

LUST #: _____ FACILITY NAME: C.U.S.D.

DATE: 12/1/89

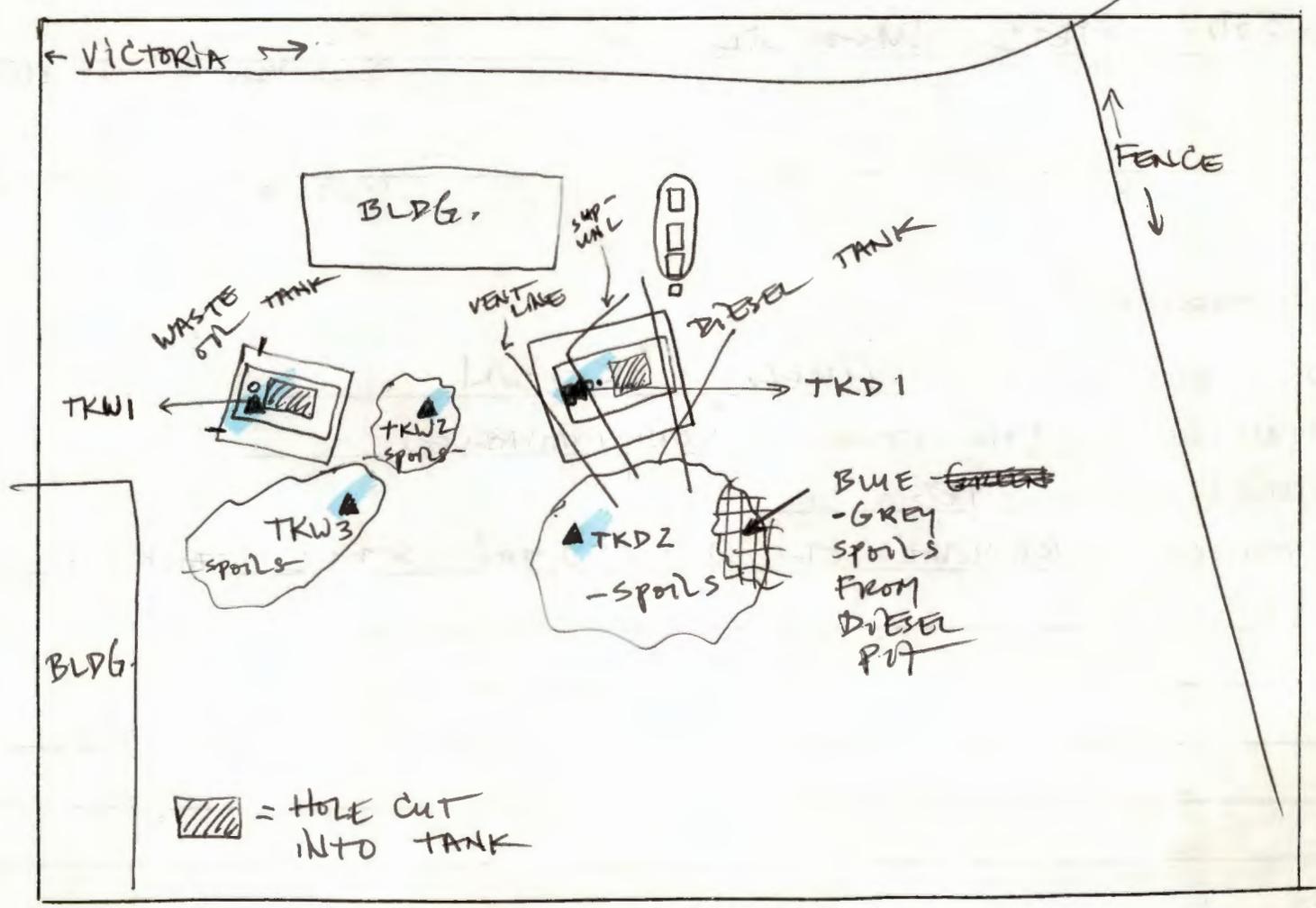
I.R. #: _____ ADDRESS: 26126 VICTORIA

INSPECTOR: #222 ALLEN

CAPISTRANO BEACH, CA 926

TIME: _____

Field Activity: REMOVAL OF TWO 550-gal TANKS: ONE WASTE OIL, ONE DIESEL. WASTE OIL TANK WAS EASILY REMOVED, NO ODORS. DIESEL TANK HAD LINES OVER THE TANK, BUT WAS REMOVED BY THE CONTRACTOR WITHOUT DAMAGING THEM. DIESEL HOLE HAD GASOLINE (NOT DIESEL) ODOR THAT THE BACKHOE HIT AT ABOUT EIGHT FEET BELOW THE SOIL SURFACE, @ 2-3 FEET BELOW BOTTOM OF TANK. SOIL THERE WAS A DENSE BLUE-^{GREY} CLAY THAT HAD (NEXT PAGE)



89-PC-490



SAGE COUNTY ENVIRONMENTAL HEALTH
UNDERGROUND TANK CLEANUP FORM

92624

CUSD TRANSPORTATION YARD, 26126 VICTORIA, CAPISTRANO BEACH, CA
Facility Name Address

Cross Streets Site Telephone Number

CUSD 32972 CALLE PERFECTO, SAN JUAN CAPISTRANO 92675
Owner Address

ED ROONEY 714/496-1215 ext 365
Contact Person Telephone Number

Operator (If different than owner) Telephone Number

BARNEY'S JIM OLDFIELD 714-522-8673
Consultant (Contractor) Contact Name Telephone Number

Tank 1 550 STEEL DIESEL Tank 4
Size Const. Mat. Mat. Stored Size Const. Mat. Mat. Stored

Tank 2 550 STEEL WASTE OIL Tank 5
Size Const. Mat. Mat. Stored Size Const. Mat. Mat. Stored

Tank 3 Tank 6
Size Const. Mat. Mat. Stored Size Const. Mat. Mat. Stored

Depth To Groundwater ?

Fire Depart. personnel on-site: GREG MCKEOWN

Ambient air readings on field instrument: (NONE AVAILABLE)

Proposition 65 required: YES

Other information: REMOVAL OF 2 - 550 gal STEEL TANKS.



ENTERED JAN 08 1990

RECEIVED
DEC 12 1989

TOM URAM
DIRECTOR

L. REX EHRLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS MPH
DEPUTY DIRECTOR

MAILING ADDRESS: P.O. BOX 355
SANTA ANA, CA 92702

County of Orange

HEALTH CARE AGENCY
Environmental Health

HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES

ENVIRONMENTAL HEALTH DIVISION

2009 E. EDINGER AVENUE

SANTA ANA, CALIFORNIA 92705

(714) 667-3700

DATE: 12-12-89

MAY: 38-B5

FACILITY MODIFICATION
APPLICATION
(INSTALLATION/REMOVAL/REPAIR)
(COMPLETE PAGES 1 & 2)

"CUSD"

FACILITY INFORMATION
NAME: ~~SAN JUAN~~ UNIFIED Capistrano School Dist.
STREET ADDRESS: 26126 Victoria
CITY: Capistrano Beach 92624
TOTAL NUMBER OF TANKS (AFTER INSTALLATION/REMOVAL)
AT THIS LOCATION: 4 → 2
TYPE OF BUSINESS:
 GASOLINE STATION FARM
 GOVERNMENT OTHER

TYPE OF CONSTRUCTION
INDICATE NO. OF TANK(S):
 INSTALLATION(S) (COMPLETE PAGE 2)
 REPAIR(S)/RELINING(S)
2 CLOSURE(S)/REMOVAL(S) 4 → 2
 SYSTEM MODIFICATION (E.G., REPIPE)
 OTHER (SPECIFY)

TANK OWNER
NAME (CORP., INDIVIDUAL, PUBLIC AGENCY):
SAN JUAN Capistrano School District
STREET ADDRESS: 32972 Calle Perfecto
CITY: SAN JUAN Capistrano
STATE: CA ZIP: 92675
TELEPHONE NO.:

24 HOUR EMERGENCY CONTACT PERSON
DAYS:
NAME TELEPHONE
NIGHTS:
NAME TELEPHONE

BILLING ADDRESS INFORMATION
BILL TO NAME:
BILL TO ADDRESS:
CITY:
STATE: ZIP:
TELEPHONE NO.:

APPLICANT
NAME: DAVID K. ELDFIELD
PLEASE PRINT
SIGNATURE: [Signature]
COMPANY NAME: Barney's Inc.
TELEPHONE NO.: 714-522-8673

FACILITY OPERATOR (CONTACT PERSON)
NAME:
BUSINESS TELEPHONE NO.:

NOTE: NEW INSTALLATIONS, CLOSURES REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION.

OFFICE USE ONLY

FACILITY PERMIT NO.: 7227 PLAN APPROVAL DATE: 12/18/89 BY: Allen NO.: 272
PLAN CHECK NO.: 99-490 FEES: EXEMPT FINAL FIELD INSPECTION DATE: 12/28/89
NUMBER OF TANKS TO BE ADDED TO BILLING: _____ NUMBER OF TANKS TO RECEIVE A SURCHARGE BILL: _____

FORMS:FMA
REV:10/30/89
NO FEE (CUSD)
Sarah

4 → 2

7227

REMOVED
803
004

TANK I.D.		00#1	00#2	00#3	00#4	
MATERIALS	CURRENTLY	DOT 1203	1993 FO	1993 FO	2070.W	
	PROPOSED					
	PREVIOUSLY					
CAS NO. OR WASTE I.D.						
FUEL TYPE (IF TRADE SECRET, PLEASE STATE)		GAS KNL 1	DIESEL 4	DIESEL 4	WATER OIL 5	
C O N T A I N E R	TYPE (TANK, SUMP, OTHERS)	TANK				
	DOUBLE WALL/SINGLE WALL	SINGLE 2				
	UL NUMBER	99				
	YEAR INSTALLED	973	1973	1954	1954	
	VAULTED/NOT VAULTED	NOT				
	MANUFACTURER	MANUFACTURER	99			
		CAPACITY (GALLON)	10,000	5,000	550	550
		CONSTRUCTION MATERIAL	STEEL 1			
		THICKNESS (UNITS)	99			
	MANUFACTURER	INTERIOR LINING	99			
MANUFACTURER		97 N/A				
CAPACITY (GALLON)		97				
CONSTRUCTION MATERIAL		97				
MANUFACTURER	THICKNESS (UNITS)	97				
	CORROSION PROTECTION	96 NONE				
TYPE OF LEAK DETECTION (LIQUID, VAPOR, ETC.)		2 INVI. REC.	2	2	16 MANLY GALVAN	
MANUFACTURER OF LEAK DETECTOR		97 N/A				
P I P I N G	LOCATION (UNDER/ABOVE GROUND)	UNDER				
	SUCTION/PRESSURE GRAVITY/UNKNOWN	SUCTION	1	1	2 GRAVITY	
	PRIMARY	CONSTRUCTION MATERIAL	STEEL 1	1	1	1
		MANUFACTURER	99 UNKNOWN			
	SECONDARY	CONSTRUCTION MATERIAL	97 N/A			
		MANUFACTURER	97 N/A			
	TYPE OF LEAK DETECTION (LIQUID, VAPOR, ETC.)		97 N/A			
	MANUFACTURER OF LEAK DETECTOR		97 N/A			
	OVERFILL PROTECTION (TYPE)		96 NONE			
	SPILL CONTAINMENT		96 NONE			

ATTACH A DIAGRAM (8 1/2" X 11") INCLUDE THE LOCATIONS OF THE UNDERGROUND STORAGE TANK(S); PIPING, AUXILIARY EQUIPMENT, BUILDINGS AND OTHER LANDMARKS. 12/28/89 TANKS REMOVED

OFFICE USE ONLY

MONITORING SYSTEM/ALTERNATIVE	5	5	5	7
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PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/18/2012
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT LEAD - INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 433-6236
 jkrall@ochca.com

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the facility's updated owner statement of UST designated operator (DO). The primary DO was identified as Martin Schwartz of orange county tank testing Inc. His ICC certification was current with an expiration date of 10-26-14. Alternative DOs were identified.

e

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

**COPY MAILED TO OWNER
 AND/OR
 FACILITY OPERATOR
Date**

**Owner Statements of Designated Underground Storage Tank (UST) Operator
and Understanding of and Compliance with UST Requirements
CAPISTRANO UNIFIED SCHOOL DISTRICT**

Facility Name: TRANSPORTATION SOUTH CENTER	Facility ID #: FA0025179
Facility Address: 26126 VICTORIA BLVD CAPISTRANO BEACH CA 92624	Reason for Submitting this Form (Check One)
Facility Phone #: (949)234-9965	<input checked="" type="checkbox"/> Change of Designated Operator <input type="checkbox"/> Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: MARTIN SCHWARTZ	Relation to UST Facility (Check One)
Business Name ORANGE COUNTY TANK TESTING INC.	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Employee
Designated Operator's Phone # 714-776-0300	<input type="checkbox"/> Service Technician <input checked="" type="checkbox"/> Third-Party
International Code Council Certification #: 5311570-UC	Expiration Date: 10-26-14

ALTERNATE 1 (Optional)

Designated Operator's Name: RICHARD RUSTON	Relation to UST Facility (Check One)
Business Name (If different from above): OCTT	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Employee
Designated Operator's Phone #: 7140776-0300	<input type="checkbox"/> Service Technician <input checked="" type="checkbox"/> Third-Party
International Code Council Certification #: 5246183-UC	Expiration Date: 10-22-2014

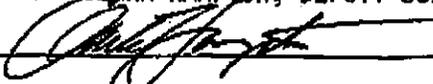
ALTERNATE 2 (Optional)

Designated Operator's Name: TONY JONES	Relation to UST Facility (Check One)
Business Name (If different from above): OCTT	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Employee
Designated Operator's Phone #: 714-776-0300	<input type="checkbox"/> Service Technician <input checked="" type="checkbox"/> Third-Party
International Code Council Certification #: 5252936-UC	Expiration Date: 1-06-13

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): CLARK HAMPTON, DEPUTY SUPERINTENDENT, BUS SVC

SIGNATURE OF TANK OWNER: 

DATE: 12/6/2012 **OWNER'S PHONE #:** (949)234-9211

NOTE: 1) SUBMIT THIS COMPLETED FORM TO THE LOCAL AGENCY (NOT THE STATE WATER RESOURCES CONTROL BOARD) BY JANUARY 1, 2005. THE LOCAL AGENCY LIST IS AVAILABLE AT: www.waterboards.ca.gov/ust/contacts/cupa_agvs.html.

2) NOTIFY THE LOCAL AGENCY OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.



PR0025322

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 03/20/2012
 Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR
 Service: F03-FOLLOW-UP INSPECTION
 Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 433-6236
 jkrall@ochca.com

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT TECH -INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On site at CUSD offices to review this facility's hazardous waste removal records. I met with Kitty Ross, Lead Risk Management Technician. The records for the last year were reviewed. The violation (W90M) was corrected.

PDF copy sent to Kitty Ross

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

Date



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0024884

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 05/31/2011
Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the following documents for this facility:
CUPA business owner / operator identification form, signed and dated 5-23-11
CUPA UST response plan, signed and dated 1-6-09

Also, the CUPA UST facility information and UST tank information forms, both dated 12-7-10, were completed and resubmitted.

The violation TR02 was corrected.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

COPY MAILED TO OWNER

Signature _____ AND/OR _____ Date _____

FACILITY OPERATOR



OC CUPA
 1241 E. Dyer Road Ste 120
 Santa Ana, CA 92705
 Tel: (714) 433-8000
 Fax: (714) 754-1788
 www.occupainfo.com

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANKS
RESPONSE PLAN - PAGE 1

OCUPA Form No. 100-100-001

TYPE OF ACTION 1. NEW PLAN 2. CHANGE OF INFORMATION

I. FACILITY INFORMATION

FACILITY ID# (Item, Use Only) **310**

FACILITY NAME **CAPISTRANO UNIFIED SCHOOL DISTRICT (TRANSPORTATION SOUTH)**

FACILITY SITE ADDRESS **26126 VICTORIA BLVD** CITY **CAPISTRANO BEACH CA 92624**

II. SPILL CONTROL AND CLEANUP METHODS

This plan addresses unauthorized releases from UST systems and supplements the emergency response plans and procedures in the facility's Hazardous Materials Business Plan.

- If safe to do so, facility personnel will take immediate measures to control or stop any release (e.g., activate pump shut-off, etc.) and, if necessary, safely remove remaining hazardous material from the UST system.
- Any release to secondary containment will be pumped or otherwise removed within a time consistent with the ability of the secondary containment system to contain the hazardous material, but not greater than 30 calendar days, or sooner if required by the local agency. Recovered hazardous materials, unless still suitable for their intended use, will be managed as hazardous waste.
- Absorbent material will be used to contain and clean up manageable spills of hazardous materials. Absorbent material may be reused until it becomes too saturated to be effective. It will then be managed properly. Used absorbent material, reusable or waste, will be stored in a properly labeled and sealed container.
- Facility personnel will determine whether or not any water removed from secondary containment systems, or from clean-up activity, has been in contact with any hazardous material. If the water is contaminated, it will be managed as hazardous waste. If the water has a petroleum sheen (i.e., rainbow colors), it is contaminated. A thick floating petroleum layer may not necessarily display rainbow colors. Water (hazardous or non-hazardous) from sumps, spill containers, etc. will not be disposed to storm water systems.
- We will review secondary containment systems for possible deterioration if any of the following conditions occur:
 1. Hazardous material in contact with secondary containment is not compatible with the material used for secondary containment;
 2. Secondary containment is prone to damage from any equipment used to remove or clean up hazardous material collected in secondary containment;
 3. Hazardous material, other than the product waste stored in the primary containment system, is placed inside secondary containment to treat or neutralize released product waste, and the added material or resulting material from such a combination is not compatible with secondary containment.

III. SPILL CONTROL AND CLEAN-UP EQUIPMENT

PERIODIC MAINTENANCE: Spill control and clean-up equipment kept permanently on-site is listed in the facility's Hazardous Materials Business Plan. This equipment is inspected at least monthly, and after each use, and supplies are replenished as needed. Defective equipment is repaired or replaced as necessary.

EQUIPMENT NOT PERMANENTLY ON-SITE, BUT AVAILABLE FOR USE IF NEEDED: (Complete only if applicable)

EQUIPMENT	LOCATION	AVAILABILITY
PSC SPILL LINE 1(877)-577-2669 24 HOUR EMERGENCY RESPONDER	HAZARDOUS WASTE	
	R-2	R-22
	R-3	R-23
	R-4	R-24
	R-5	R-25

IV. RESPONSIBLE PERSONS

THE FOLLOWING PERSON(S) IS/ARE RESPONSIBLE FOR AUTHORIZING ANY WORK NECESSARY UNDER THIS RESPONSE PLAN:

NAME	TITLE
RON LEBS (949)234-9211	DEPUTY SUPERINTENDENT, BUSINESS/SUPPORT SERVICES
JOHN FORNEY (949)234-9543	DIRECTOR MAINTENANCE & OPERATIONS/CONSTRUCTION
BEN DEWEES (949)234-9540	MANAGER, BUILDING TRADES

V. INDIRECT HAZARD DETERMINATION

This information is required only when the presence of the hazardous substance can not be determined directly by the monitoring method used (e.g., where liquid level measurements in a tank annular space or secondary piping are used as the basis for leak determination).

THE FOLLOWING STEPS WILL BE TAKEN TO DETERMINE THE PRESENCE OR ABSENCE OF HAZARDOUS SUBSTANCE IN THE SECONDARY CONTAINMENT IF MONITORING INDICATES A POSSIBLE UNAUTHORIZED RELEASE:

RESPONSE TEAM MEMBER WOULD BE CONTACTED VIA PAGING SYSTEM IF INCIDENT AFTER HOURS.
 PSC OUTSIDE AGENCY WOULD BE CALLED IN TO EVALUATE THE NECESSITY OF CLEAN UP.



OC CUPA
 1241 E. Dyer Road Ste 120
 Santa Ana, CA 92705
 Tel: (714) 433-6900
 Fax: (714) 754-1768
 www.ocsupainfo.com

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANKS
RESPONSE PLAN - PAGE 2

(one page per site)

VI. LEAK INTERCEPTION AND DETECTION SYSTEM

This information is required only for motor vehicle fuel UST systems constructed per the Alternate Construction Requirements of 23 CCR §2633, and only if the Leak Interception and Detection System (LIDS) does not meet the volumetric requirements of 23 CCR §2631(d)(1) through (5) (i.e., when accounting for rainfall and backfill material, the secondary containment volume is less than 100% of primary tank volume for a single UST; or in the case of multiple USTs in shared secondary containment, 150% of the largest primary tank volume or 10% of aggregate primary tank volume, whichever is greater).

ATTACH AN ADDITIONAL PAGE TO THIS PLAN CONTAINING THE FOLLOWING INFORMATION:

- > The volume of the LIDS in relation to the volume of the primary container;
- > The amount of time the LIDS shall provide containment related to the time between detection of an unauthorized release and cleanup of the leaked substance;
- > The depth from the bottom of the LIDS to the highest anticipated level of groundwater;
- > The nature of the unsaturated soils under the LIDS and their ability to absorb contaminants or to allow movement of contaminants;
- > The methods and scheduling for removal of all hazardous substances which may have been discharged from primary containment and are located in the unsaturated soils between the primary containment and groundwater, including the LIDS sump.

VII. REPORTING AND RECORD KEEPING

We will report/record any overflow, spill, or unauthorized release from a UST system as indicated in this plan.

Recordable Releases: Any unauthorized release from primary containment which the UST operator is able to clean up within eight (8) hours after the release was detected or should reasonably have been detected, and which does not escape from secondary containment, does not increase the hazard of fire or explosion, and does not cause any deterioration of secondary containment, must be recorded in the facility's monitoring records. Monitoring records must include:

- > The UST operator's name and telephone number;
- > A list of the types, quantities, and concentrations of hazardous substances released;
- > A description of the actions taken to control and clean up the release;
- > The method and location of disposal of the released hazardous substances, and whether a hazardous waste manifest was or will be used;
- > A description of actions taken to repair the UST and to prevent future releases;
- > A description of the method used to reactivate interstitial monitoring after replacement or repair of primary containment.

Reportable Releases: Any overflow, spill, or unauthorized release which escapes from secondary containment (or primary containment if no secondary containment exists), increases the hazard of fire or explosion, or causes any deterioration of secondary containment, is a reportable release. Reportable releases are also recordable.

Within 24 hours after a reportable release has been detected, or should have been detected, we will notify the local agency administering the UST program of the release, investigate the release, and take immediate measures to stop the release. If necessary, or if required by the local agency, remaining stored product/waste will be removed from the UST to prevent further releases or facilitate corrective action. If an emergency exists, we will notify the State Office of Emergency Services.

Within five (5) working days of a reportable release, we will submit to the local agency a full written report containing all of the following information to the extent that the information is known at the time of filing the report:

- > The UST owner's or operator's name and telephone number;
- > A list of the types, quantities, and concentrations of hazardous materials released;
- > The approximate date of the release;
- > The date on which the release was discovered;
- > The date on which the release was stopped;
- > A description of actions taken to control and/or stop the release;
- > A description of corrective and remedial actions, including investigations which were undertaken and will be conducted to determine the nature and extent of soil, ground water or surface water contamination due to the release;
- > The method(s) of cleanup implemented to date, proposed cleanup actions; and a schedule for implementing the proposed actions;
- > The method(s) and location(s) of disposal of released hazardous materials and any contaminated soils, groundwater, or surface water.
- > Copies of any hazardous waste manifests used for off-site transport of hazardous wastes associated with clean-up activity;
- > A description of proposed methods for any repair or replacement of UST system primary/secondary containment systems;
- > A description of additional actions taken to prevent future releases.

We will follow the reporting procedures described above if any of the following conditions occur:

- > A recordable unauthorized release can not be cleaned up or is still under investigation within eight (8) hours of detection;
- > Released hazardous substances are discovered at the UST site or in the surrounding area;
- > Unusual operating conditions are observed, including erratic behavior of product dispensing equipment, sudden loss of product, or the unexplained presence of water in the tank, unless system equipment is found to be defective and is immediately repaired or replaced, and no leak has occurred;
- > Monitoring results from UST system monitoring equipment/methods indicate that a release may have occurred, unless the monitoring equipment is found to be defective and is immediately repaired, recalibrated, or replaced, and additional monitoring does not confirm the initial results.

Record Retention: Monitoring records and written reports of unauthorized releases must be maintained on-site (or off-site at a readily available location, if approved by the local agency) for at least 3 years. Hazardous waste shipping/disposal records (e.g., manifests) must be maintained for at least 3 years from the date of shipment.

VIII. OWNER/OPERATOR SIGNATURE

CERTIFICATION: I certify that the information provided herein is true and accurate to the best of my knowledge.

OWNER/OPERATOR SIGNATURE 	DATE R70. JANUARY 6, 2009
OWNER/OPERATOR NAME (print) R71. JEFFREY BRISTOW	OWNER/OPERATOR TITLE R72. EXECUTIVE DIRECTOR, RISK MGT/COMPLIANCE

(Agency Use Only) This plan has been reviewed and: Approved Approved With Conditions Disapproved

Local Agency Signature: _____ Date: _____



OC CUPA
 1241 E. Dyer Rd Ste. 120
 Santa Ana, CA 92705
 Tel: (714) 433-6000
 Fax: (714) 754-1768
 www.occupainfo.com

Unified Program Consolidated Form
FACILITY INFORMATION

BUSINESS OWNER/OPERATOR IDENTIFICATION

Page of

I. IDENTIFICATION

FACILITY ID#		3 0	BEGINNING DATE yyyy-MM-dd	100	ENDING DATE yyyy-MM-dd	101
			MAY 23, 2011		MAY 23, 2012	
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)			3		-BUSINESS PHONE	
CAPISTRANO UNIFIED SCHOOL DISTRICT TRANSPORTATION SO-CENTER					(949)489-7365	
BUSINESS SITE ADDRESS			103		BUSINESS FAX	
26126 VICTORIA BLVD					NONE	
BUSINESS SITE CITY			104		ZIP CODE	
CAPISTRANO BEACH			CA		92624	
DUN & BRADSTREET			106		PRIMARY SIC	
					8211	
BUSINESS MAILING ADDRESS					108a	
33122 VALLE ROAD						
BUSINESS MAILING CITY			108b		STATE	
SAN JUAN CAPISTRANO					CA	
BUSINESS OPERATOR NAME			109		BUSINESS OPERATOR PHONE	
CAPISTRANO UNIFIED SCHOOL DISTRICT					(949)234-9200	

II. BUSINESS OWNER

OWNER NAME		111		OWNER PHONE		112	
CAPISTRANO UNIFIED SCHOOL DISTRICT				(949)234-9200			
OWNER MAILING ADDRESS						113	
33122 VALLE ROAD SAN JUAN CAPISTRANO CA							
OWNER MAILING CITY		114		STATE		115	
SAN JUAN CAPISTRANO				CA		92675	

III. ENVIRONMENTAL CONTACT

CONTACT NAME		117		CONTACT PHONE		118	
PHILIP ENVIRONMENTAL SERVICES				SPILL LINE (877)577-2669			
CONTACT MAILING ADDRESS		119		CONTACT EMAIL		119a	
425 ISIS AVE INGLEWOOD CA 90301-2009							
CONTACT MAILING CITY		120		STATE		121	
SAME AS ABOVE						122	

-PRIMARY-

IV. EMERGENCY CONTACTS

-SECONDARY-

NAME		123		NAME		128	
CARROLL WHITE				MIKE PATTON			
TITLE		124		TITLE		129	
SUPERVISOR VEHICLE MAINT/DISPATCH				DIRECTOR TRANSPORTATION			
BUSINESS PHONE		125		BUSINESS PHONE		130	
(949)489-7349				(949)489-7365			
24-HOUR PHONE		126		24-HOUR PHONE		131	
(949)493-2748				(949)493-2748			
PAGER #		127		PAGER #		132	

ADDITIONAL LOCALLY COLLECTED INFORMATION: 133

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE		DATE yyyy-MM-dd		134		NAME OF DOCUMENT PREPARER		135	
						KITTY ROSS			
NAME OF SIGNER (print)		136		TITLE OF SIGNER		137			
JEFFREY BRISTOW				EXECUTIVE DIRECTOR RISK MGT/COMPLIANCE					



OC CUPA
 1241 E. Dyer Rd Ste. 120
 Santa Ana, CA 92705
 Tel: (714) 433-6000
 Fax: (714) 754-1768

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANKS
OPERATING PERMIT APPLICATION - TANK INFORMATION

(One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430

1. NEW PERMIT 3. RENEWAL PERMIT 5. CHANGE OF INFORMATION
 6. TEMPORARY UST CLOSURE 7. UST PERMANENT CLOSURE ON SITE 8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a | DATE EXISTING UST DISCOVERED: 430b

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) 3 0 - - - - - 1

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3
 Capistrano unified scholl district

BUSINESS SITE ADDRESS 103 | CITY 104
 26126 Victoria | San Juan Capistrano

II. TANK DESCRIPTION

TANK ID # 432 | TANK MANUFACTURER 433 | TANK CONFIGURATION: THIS TANK IS 434
 1 | Modern | 1. A STAND-ALONE TANK
 2. ONE IN A COMPARTMENTED UNIT.

DATE UST SYSTEM INSTALLED 435 | TANK CAPACITY IN GALLONS 436 | NUMBER OF COMPARTMENTS IN THE UNIT 437
 | 20000 | 1

III. TANK USE AND CONTENTS

TANK USE 439

1a. MOTOR VEHICLE FUELING 1b. MARINA FUELING 1c. AVIATION FUELING
 3. CHEMICAL PRODUCT STORAGE 4. HAZARDOUS WASTE (Includes Used Oil) 5. EMERGENCY GENERATOR FUEL (HSC §25281.5(c))
 6. OTHER GENERATOR FUEL 95. UNKNOWN 99. OTHER (Specify): 439a

CONTENTS PETROLEUM: 440

1a. REGULAR UNLEADED 1c. MIDGRADE UNLEADED 1b. PREMIUM UNLEADED
 3. DIESEL 5. JET FUEL 6. AVIATION GAS
 8. PETROLEUM BLEND FUEL 9. OTHER PETROLEUM (Specify): 440a

NON-PETROLEUM: 440b

7. USED OIL 10. ETHANOL
 11. OTHER NON-PETROLEUM (Specify):

IV. TANK CONSTRUCTION

TYPE OF TANK 443

1. SINGLE WALL 2. DOUBLE WALL 95. UNKNOWN

PRIMARY CONTAINMENT 444

1. STEEL 3. FIBERGLASS 6. INTERNAL BLADDER
 7. STEEL + INTERNAL LINING 95. UNKNOWN 99. OTHER (Specify): 444a

SECONDARY CONTAINMENT 445

1. STEEL 3. FIBERGLASS 6. EXTERIOR MEMBRANE LINER 7. JACKETED
 90. NONE 95. UNKNOWN 99. OTHER (Specify): 445a

OVERFILL PREVENTION 452

1. AUDIBLE & VISUAL ALARMS 2. BALL FLOAT 3. FILL TUBE SHUT-OFF VALVE
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION 460

1. SINGLE-WALLED 2. DOUBLE-WALLED 99. OTHER

SYSTEM TYPE 458

1. PRESSURE 2. GRAVITY 3. CONVENTIONAL SUCTION 4. SAFE SUCTION [23 CCR §2636(a)(3)]

PRIMARY CONTAINMENT 464

1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC
 90. NONE 464a

SECONDARY CONTAINMENT 464b

1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC
 90. NONE 464c

PIPING/TURBINE CONTAINMENT SUMP TYPE 464d

1. SINGLE WALL 2. DOUBLE WALL 90. NONE

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT 464e

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464e-1

VENT SECONDARY CONTAINMENT 464f

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464f-1

VR PRIMARY CONTAINMENT 464g

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464g-1

VR SECONDARY CONTAINMENT 464h

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464h-1

VENT PIPING TRANSITION SUMP TYPE 464i

1. SINGLE WALL 2. DOUBLE WALL 90. NONE

RISER PRIMARY CONTAINMENT 464j

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464j-1

RISER SECONDARY CONTAINMENT 464k

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464k-1

FILL COMPONENTS INSTALLED 451a-c

1. SPILL BUCKET 3. STRIKER PLATE/BOTTOM PROTECTOR 4. CONTAINMENT SUMP

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE 469a

1. SINGLE WALL 2. DOUBLE WALL 3. NO DISPENSERS 90. NONE

CONSTRUCTION MATERIAL 469b-c

1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 99. OTHER (Specify)

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 448

2. SACRIFICIAL ANODE(S) 4. IMPRESSED CURRENT 6. ISOLATION

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE DATE 470
DECEMBER 7, 2010

APPLICANT NAME (print) 471 | APPLICANT TITLE 472
 RONALD LEBS | DEPUTY SUPERINTENDENT BUSINESS SUPPORT



OC CUPA
 1241 E. Dyer Rd Ste. 120
 Santa Ana, CA 92705
 Tel: (714) 433-8000
 Fax: (714) 764-1788

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANKS
OPERATING PERMIT APPLICATION - TANK INFORMATION
 (One form per UST)

TYPE OF ACTION (Check one item only. For an UST permanent closure or removal, complete only this section and Sections I, II, III, IV, and IX below) 430
 1. NEW PERMIT 3. RENEWAL PERMIT 5. CHANGE OF INFORMATION
 6. TEMPORARY UST CLOSURE 7. UST PERMANENT CLOSURE ON SITE 8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a | DATE EXISTING UST DISCOVERED: 430b

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) 1
 BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3
 Capistrano unified scholl district
 BUSINESS SITE ADDRESS 103 CITY 104
 26126 Victoria San Juan Capistrano

II. TANK DESCRIPTION

TANK ID # 432 TANK MANUFACTURER 433 TANK CONFIGURATION: THIS TANK IS 434
 2 Modern 1. A STAND-ALONE TANK
 2. ONE IN A COMPARTMENTED UNIT
 DATE UST SYSTEM INSTALLED 435 TANK CAPACITY IN GALLONS 436 NUMBER OF COMPARTMENTS IN THE UNIT 437
 10000 1

III. TANK USE AND CONTENTS

TANK USE 1a. MOTOR VEHICLE FUEL 1b. MARINA FUEL 1c. AVIATION FUEL 439
 3. CHEMICAL PRODUCT STORAGE 4. HAZARDOUS WASTE (Includes Used Oil) 5. EMERGENCY GENERATOR FUEL (HSC §25281.5(c))
 6. OTHER GENERATOR FUEL 99. OTHER (Specify): 439a
 95. UNKNOWN
 CONTENTS PETROLEUM: 1a. REGULAR UNLEADED 1c. MIDGRADE UNLEADED 1b. PREMIUM UNLEADED 440
 3. DIESEL 5. JET FUEL 6. AVIATION GAS
 8. PETROLEUM BLEND FUEL 9. OTHER PETROLEUM (Specify): 440a
 NON-PETROLEUM: 7. USED OIL 10. ETHANOL 440b
 11. OTHER NON-PETROLEUM (Specify):

IV. TANK CONSTRUCTION

TYPE OF TANK 1. SINGLE WALL 2. DOUBLE WALL 95. UNKNOWN 443
 PRIMARY CONTAINMENT 1. STEEL 3. FIBERGLASS 6. INTERNAL BLADDER 444
 7. STEEL + INTERNAL LINING 95. UNKNOWN 99. OTHER (Specify): 444a
 SECONDARY CONTAINMENT 1. STEEL 3. FIBERGLASS 6. EXTERIOR MEMBRANE LINER 7. JACKETED 445
 90. NONE 95. UNKNOWN 99. OTHER (Specify): 445a
 OVERFILL PREVENTION 1. AUDIBLE & VISUAL ALARMS 2. BALL FLOAT 3. FILL TUBE SHUT-OFF VALVE 452
 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION 1. SINGLE-WALLED 2. DOUBLE-WALLED 99. OTHER 460
 SYSTEM TYPE 1. PRESSURE 2. GRAVITY 3. CONVENTIONAL SUCTION 4. SAFE SUCTION [23 CCR §2636(a)(3)] 458
 PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC 464
 90. NONE 464a
 SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 8. FLEXIBLE 10. RIGID PLASTIC 464b
 90. NONE 464c
 PIPING/TURBINE CONTAINMENT SUMP TYPE 1. SINGLE WALL 2. DOUBLE WALL 90. NONE 464d

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464e
 95. UNKNOWN 464f
 VENT SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464g
 VR PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464h
 VR SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464i
 VENT PIPING TRANSITION SUMP TYPE 1. SINGLE WALL 2. DOUBLE WALL 90. NONE 464j
 RISER PRIMARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464k
 RISER SECONDARY CONTAINMENT 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 90. NONE 99. OTHER (Specify) 464l
 FILL COMPONENTS INSTALLED 1. SPILL BUCKET 3. STRIKER PLATE/BOTTOM PROTECTOR 4. CONTAINMENT SUMP 451a-c

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE 1. SINGLE WALL 2. DOUBLE WALL 3. NO DISPENSERS 90. NONE 469a
 CONSTRUCTION MATERIAL 1. STEEL 4. FIBERGLASS 10. RIGID PLASTIC 99. OTHER (Specify) 469b-c

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION 2. SACRIFICIAL ANODE(S) 4. IMPRESSED CURRENT 6. ISOLATION 448

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.
 APPLICANT SIGNATURE 470 DATE 470
 APPLICANT NAME (print) 471 APPLICANT TITLE 472
 RONALD LEBS DEPUTY SUPERINTENDENT BUSINESS SUPPORT



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

44-016583

PR0024884

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 05/23/2011
Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the following updated documents for this facility:
CUPA Business Activities form
CUPA UST Monitoring Plan, signed and dated 12-7-10
CUPA UST Facility Information form, signed and dated 12-7-10
CUPA UST Tank Information form, signed and dated 12-7-10
Certification of Financial Responsibility, signed, witnessed, and dated 12-7-10.
owner statement of UST designated operator, signed and dated 12-7-10

*FOLLOWS
UP*

The primary UST DO was identified as Martin Schwartz, Orange County Tank Testing. His ICC certification was current with an expiration date of 10-30-12.

The monitoring plan was reviewed and approved of by this Agency.

The facility's annual certification of financial responsibility will expire on the facility's insurance policy expiration date of 7-1-10. A current certification will become due that date.

The violation (TR05) was corrected. The violation (TR02) is in process of correction.

>> Several forms were not complete and/or contained incorrect information. Please review, and verify the information. The submitted forms must be true:

- Facility Information -
- V. BOE # ✓
- Tank information -
- V. primary containment ✓
- V. secondary containment ✓
- IX. needs applicant signature (tank 2) ✓

>>Please submit the updated CUPA Business Owner / Operator Identification form for this facility. ✓
>>Please submit the updated CUPA Response Plan for this facility. ✓

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

**INSPECTION REPORT**

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0024884

**C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
Inspection Date: 05/23/2011

Signature _____ Date _____

**Owner Statements of Designated Underground Storage Tank (UST) Operator
and Understanding of and Compliance with UST Requirements**

Facility Name: Capistrano Unified School Dist.	Facility ID #:
Facility Address: 26126 Victoria S.J. Capistrano	Reason for Submitting this Form (Check One)
Facility Phone #: 949-489-7349	<input type="checkbox"/> Change of Designated Operator <input checked="" type="checkbox"/> Update Certificate Expiration Date

Designated UST Operator(s) for this Facility

PRIMARY

Designated Operator's Name: martin schwartz	Relation to UST Facility (Check One)
Business Name (If different from above): orange co.tank testing	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Employee
Designated Operator's Phone #: 714-776-0300	<input type="checkbox"/> Service Technician <input checked="" type="checkbox"/> Third-Party
International Code Council Certification # 5311570-uc	Expiration Date: 10-30-12

ALTERNATE 1 (Optional)

Designated Operator's Name: rich ruston	Relation to UST Facility (Check One)
Business Name (If different from above): orange co.tank testing	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Employee
Designated Operator's Phone #: 714-776-0300	<input type="checkbox"/> Service Technician <input checked="" type="checkbox"/> Third-Party
International Code Council Certification #: 524183-uc	Expiration Date: 10-22-12

ALTERNATE 2 (Optional)

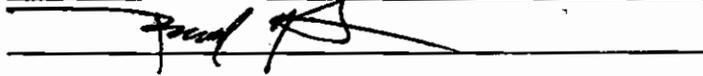
Designated Operator's Name: tony jones	Relation to UST Facility (Check One)
Business Name (If different from above): orange co.tank testing	<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Employee
Designated Operator's Phone #: 714-776-0300	<input type="checkbox"/> Service Technician <input checked="" type="checkbox"/> Third-Party
International Code Council Certification #: 5252936-uc	Expiration Date: 1-10-11

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training, in accordance with California Code of Regulations, title 23, section 2715(c) - (f).

Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

NAME OF TANK OWNER (Please Print): RONALD LEBS, DEPUTY SUPERINTENDENT BUSINESS SUPPORT

SIGNATURE OF TANK OWNER:



DATE: DECEMBER 7, 2010

OWNER'S PHONE #: (949)234-9211

NOTE: 1) SUBMIT THIS COMPLETED FORM TO :
Orange County Certified Unified Program Agency (OC CUPA)
Underground Storage Tank (UST) Program
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705
Phone: (714) 433-6000 Fax: (714) 754-1768

2) NOTIFY OC CUPA OF ANY CHANGES TO THIS INFORMATION WITHIN 30 DAYS OF THE CHANGE.



OC CUPA
 1241 E. Dyer Rd Ste. 120
 Santa Ana, CA 92705
 Tel: (714) 433-6000
 Fax: (714) 764-1768

Unified Program Consolidated Form

Underground Storage Tank
 MONITORING PLAN - (Page 1 of 2)

TYPE OF ACTION 1. NEW PLAN 2. CHANGE OF INFORMATION 490-1

PLAN TYPE 1. MONITORING IS IDENTICAL FOR ALL USTs AT THIS FACILITY. 490-2
 (Check one item only) 2. THIS PLAN COVERS ONLY THE FOLLOWING UST SYSTEM(S):

L. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) 3 0 - - - - - 1.

BUSINESS NAME (Same as FACILITY NAME) Capistrano School District 3.

BUSINESS SITE ADDRESS 26126 Victoria 103. CITY San Juan Capistrano 104.

II. EQUIPMENT TESTING AND PREVENTIVE MAINTENANCE

Testing, preventive maintenance, and calibration of monitoring equipment (e.g., sensors, probes, line leak detectors, etc.) must be performed at the frequency specified by the equipment manufacturers' instructions, or annually, whichever is more frequent, and that such work must be performed by qualified personnel. (23 CCR §2632, 2634, 2638, 2641)

MONITORING EQUIPMENT IS SERVICED 1. ANNUALLY 99. OTHER (Specify): 490-3a
 490-3b

III. MONITORING LOCATIONS

1. NEW SITE PLOT PLAN/MAP SUBMITTED WITH THIS PLAN. 2. SITE PLOT PLAN/MAP PREVIOUSLY SUBMITTED. (23 CCR §2632, 2634) 490-4

IV. TANK MONITORING IS PERFORMED USING THE FOLLOWING METHOD(S):

1. CONTINUOUS ELECTRONIC TANK MONITORING OF ANNULAR (INTERSTITIAL) SPACE(S) OR SECONDARY CONTAINMENT VAULT(S) WITH AUDIBLE AND VISUAL ALARMS. (23 CCR §2632, 2634) 490-5

SECONDARY CONTAINMENT IS: a. DRY b. LIQUID FILLED c. PRESSURIZED d. UNDER VACUUM 490-6

PANEL MANUFACTURER: Veederroot 490-7. MODEL #: TLS 350 490-8

LEAK SENSOR MANUFACTURER: Veederroot 490-9. MODEL #(S): 794380-420 490-10

2. AUTOMATIC TANK GAUGING (ATG) SYSTEM USED TO MONITOR SINGLE WALL TANK(S). (23 CCR §2643) 490-11

PANEL MANUFACTURER: 490-12. MODEL #: 490-13

IN-TANK PROBE MANUFACTURER: 490-14. MODEL #(S): 490-15

LEAK TEST FREQUENCY: a. CONTINUOUS b. DAILY/NIGHTLY c. WEEKLY 490-16

d. MONTHLY e. OTHER (Specify): 490-17

PROGRAMMED TESTS: a. 0.1 g.p.h. b. 0.2 g.p.h. c. OTHER (Specify): 490-18

3. MONTHLY STATISTICAL INVENTORY RECONCILIATION (23 CCR §2646.1): 490-20

4. WEEKLY MANUAL TANK GAUGING (MTG) (23 CCR §2645). TESTING PERIOD: a. 36 HOURS b. 60 HOURS 490-21

5. TANK INTEGRITY TESTING (23 CCR §2643.1): 490-23

TEST FREQUENCY: a. ANNUALLY b. BIENNIALY c. OTHER (Specify): 490-24

99. OTHER (Specify): 490-25

V. PIPE MONITORING IS PERFORMED USING THE FOLLOWING METHOD(S) (Check all that apply)

1. CONTINUOUS MONITORING OF PIPE/ PIPING SUMP(S) AND OTHER SECONDARY CONTAINMENT WITH AUDIBLE AND VISUAL ALARMS. (23 CCR §2636) 490-28

SECONDARY CONTAINMENT IS: a. DRY b. LIQUID FILLED c. PRESSURIZED d. UNDER VACUUM 490-29

PANEL MANUFACTURER: Veederroot 490-30. MODEL #: TLS 350 490-31

LEAK SENSOR MANUFACTURER: Veederroot 490-32. MODEL #(S): 794380-208 490-33

PIPING LEAK ALARM TRIGGERS AUTOMATIC PUMP (i.e., TURBINE) SHUTDOWN. a. YES b. NO 490-34

FAILURE/DISCONNECTION OF THE MONITORING SYSTEM TRIGGERS AUTOMATIC PUMP SHUTDOWN. a. YES b. NO 490-35

2. MECHANICAL LINE LEAK DETECTOR (MLLD) THAT ROUTINELY PERFORMS 3.0 g.p.h. LEAK TESTS AND RESTRICTS OR SHUTS OFF PRODUCT FLOW WHEN A LEAK IS DETECTED (23 CCR §2636) 490-36

MLLD MANUFACTURER(S): VMI 490-37. MODEL #(S): LD 2000 490-38

3. ELECTRONIC LINE LEAK DETECTOR (ELLD) THAT ROUTINELY PERFORMS 3.0 g.p.h. LEAK TESTS (23 CCR §2636) 490-39

ELLD MANUFACTURER(S) 490-40. MODEL #(S): 490-41

PROGRAMMED IN LINE LEAK TEST: 1. MINIMUM MONTHLY 0.2 g.p.h. 2. MINIMUM ANNUAL 0.1 g.p.h. 490-42

ELLD DETECTION OF A PIPING LEAK TRIGGERS AUTOMATIC PUMP SHUTDOWN. a. YES b. NO 490-43

ELLD FAILURE/DISCONNECTION TRIGGERS AUTOMATIC PUMP SHUTDOWN. a. YES b. NO 490-44

4. PIPE INTEGRITY TESTING 490-45

TEST FREQUENCY a. ANNUALLY b. EVERY 3 YEARS c. OTHER (Specify) 490-47

5. VISUAL PIPE MONITORING. 490-48

FREQUENCY a. DAILY b. WEEKLY c. MIN. MONTHLY & EACH TIME SYSTEM OPERATED* 490-49

* Allowed for monitoring of unburied emergency generator fuel piping only per HSC §25281.5(b)(3)

6. SUCTION PIPING MEETS EXEMPTION CRITERIA [23 CCR §2636(a)(3)]. 490-50

7. NO REGULATED PIPING PER HEALTH AND SAFETY CODE, DIVISION 20, CHAPTER 6.7 IS CONNECTED TO THE TANK SYSTEM 490-51

99. OTHER (Specify) 490-52

UPCF UST-D (12/2007) 1/4 490-53



OC CUPA
1241 E. Dyer Rd Ste. 120
Santa Ana, CA 92708
Tel: (714) 433-6000
Fax: (714) 754-1788

Unified Program Consolidated Form

Underground Storage Tank
MONITORING PLAN - (Page 2 of 2)

VI UNDER DISPENSER CONTAINMENT (UDC) MONITORING

1. UDC MONITORING IS PERFORMED USING THE FOLLOWING METHOD

1. CONTINUOUS ELECTRONIC MONITORING 2. FLOAT AND CHAIN ASSEMBLY 3. ELECTRONIC STAND-ALONE
 4. NO DISPENSERS 99. OTHER (Specify):

PANEL MANUFACTURER: Veederroot

MODEL #: TLS 350

LEAK SENSOR MANUFACTURER: Veederroot

MODEL #(S): 794380-208

DETECTION OF A LEAK INTO THE UDC TRIGGERS AUDIBLE AND VISUAL ALARMS

a. YES b. NO

UDC LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUTDOWN

a. YES b. NO

FAILURE / DISCONNECTION OF UDC MONITORING SYSTEM TRIGGERS AUTOMATIC PUMP SHUTDOWN.

a. YES b. NO

UDC MONITORING STOPS THE FLOW OF PRODUCT AT THE DISPENSER.

a. YES b. NO

2. UDC CONSTRUCTION IS 1. SINGLE-WALLED 2. DOUBLE-WALLED

IF DOUBLE WALLED:

UDC INTERSTITIAL SPACE IS MONITORED BY: 1. LIQUID 2. PRESSURE 3. VACUUM

A LEAK WITHIN THE SECONDARY CONTAINMENT OF THE UDC TRIGGERS AUDIBLE AND VISUAL ALARMS a. YES b. NO

VII. PERIODIC SYSTEM TESTING

1. ELD TESTING: THIS FACILITY HAS BEEN NOTIFIED BY THE STATE WATER RESOURCES CONTROL BOARD THAT ENHANCED LEAK DETECTION (ELD) MUST BE PERFORMED. PERIODIC ELD IS PERFORMED EVERY 36 MONTHS AS REQUIRED. (23 CCR §2644.1)

2. SECONDARY CONTAINMENT COMPONENTS ARE TESTED EVERY 36 MONTHS.

3. SPILL BUCKETS ARE TESTED ANNUALLY.

VIII. RECORDKEEPING

The following monitoring/maintenance records are kept for this facility:

- Alarm logs Visual Inspection Records Tank integrity testing results
 SIR testing results (and supporting documentation records) Tank gauging results (and supporting documentation records)
 ATG Testing results (and supporting documentation records) Corrosion Protection 60-day logs
 Equipment maintenance and calibration records.

IX. TRAINING

Personnel with UST monitoring responsibilities are familiar with all of the following documents relevant to their job duties.

REFERENCE DOCUMENTS MAINTAINED AT FACILITY (Check all that apply)

- THIS UNDERGROUND STORAGE TANK MONITORING PLAN (Required)
 OPERATING MANUALS FOR ELECTRONIC MONITORING EQUIPMENT (Required)
 CALIFORNIA UNDERGROUND STORAGE TANK REGULATIONS
 CALIFORNIA UNDERGROUND STORAGE TANK LAW
 STATE WATER RESOURCES CONTROL BOARD (SWRCB) PUBLICATION: "HANDBOOK FOR TANK OWNERS - MANUAL AND STATISTICAL INVENTORY RECONCILIATION"
 SWRCB PUBLICATION: "UNDERSTANDING AUTOMATIC TANK GAUGING SYSTEMS"
 OTHER (Specify):

This facility has a "Designated UST Operator" who has passed the California UST System Operator Exam administered by the International Code Council (ICC). The "Designated UST Operator" will train facility employees in the proper operation and maintenance of the UST systems annually, and within 30 days of hire. This training will include, but is not limited to, the following:

- > Operation of the UST systems in a manner consistent with the facility's best management practices
- > The facility employee's role with regard to the monitoring equipment as specified in this UST Monitoring Plan
- > The facility employee's role with regard to spills and overfills as specified in the UST Response Plan
- > Names of contact person(s) for emergencies and monitoring alarms.

X. COMMENTS/ADDITIONAL INFORMATION

Provide additional comments here or indicate how many pages with additional information on specific monitoring procedures are attached to this plan.

XI. PERSONNEL RESPONSIBILITIES

The UST Owner/Operator is responsible for ensuring that: 1) the daily/routine UST monitoring activities and maintenance of UST leak detection equipment covered by this plan occurs, 2) all conditions that indicate a possible release are investigated, and 3) all monitoring records are maintained properly.

The following person(s) are responsible for performing the monitoring and equipment maintenance.

NAME CARROLL WHITE TITLE SUPERVISOR VEHICLE MAINT/DISPATCH
NAME EVERETT MAXEY TITLE VEHICLE MAINTENANCE

The Designated Operator shall perform a monthly visual inspection of the facility, provide a report to the owner/operator, and inform the owner/operator of any conditions that need follow-up action.

XII. OWNER/OPERATOR SIGNATURE

CERTIFICATION: I certify that the information provided herein is true and accurate to the best of my knowledge.

APPLICANT SIGNATURE DATE: DECEMBER 7, 2010

REPRESENTING 1. Tank Owner/Operator 2. Facility Owner/operator 3. Authorized Representative of Owner

APPLICANT NAME (print): RONALD LEBS APPLICANT TITLE: DEPUTY SUPERINTENDENT BUSINESS SUPPORT

(Agency Use Only) This plan has been reviewed and: Approved Approved With Conditions

Local Agency Signature: Date: 5-23-11

Comments or Special Conditions:



OC CUPA
 1241 E. Dyer Rd Ste. 120
 Santa Ana, CA 92705
 Tel: (714) 433-6000
 Fax: (714) 754-1768
 www.occupa.info.com

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # (Agency Use Only)	3 0	EPA ID # (Hazardous Waste Only)	
BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) CAPISTRANO UNIFIED SCHOOL DISTRICT TRANSPORTATION			
BUSINESS SITE ADDRESS 26126 VICTORIA			
BUSINESS SITE CITY	CAPISTRANO BEACH	CA	ZIP CODE 92624

II. ACTIVITIES DECLARATION

**NOTE: If you check YES to any part of this list,
 please submit the Business Owner/Operator Identification page.**

Does your facility	If Yes, please complete these pages of the UPCF		
A. HAZARDOUS MATERIALS Have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO 4	HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 4a	Coordinate with your local agency responsible for CalARP.
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
D. ABOVE GROUND PETROLEUM STORAGE Own or operate ASTs above these thresholds: Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 8	NO FORM REQUIRED TO CUPAs
E. HAZARDOUS WASTE Generate hazardous waste?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO 9	EPA ID NUMBER - provide at the top of this page
Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
Treat hazardous waste on-site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 11	ON-SITE HAZARDOUS WASTE TREATMENT - FACILITY ON-SITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit)
Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 12	CERTIFICATION OF FINANCIAL ASSURANCE
Consolidate hazardous waste generated at a remote site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 14a	Obtain federal EPA ID Number, file Biennial Report (EPA Form 8700-13A/B), and satisfy requirements for RCRA Large Quantity Generator.
Household Hazardous Waste (HHW) Collection site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO 14b	See CUPA for required forms.

F. LOCAL REQUIREMENTS 15
 (You may also be required to provide additional information by your CUPA or local agency.)



PR0025322

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/22/2011
 Reinspection Date: 01/26/2012

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR

Service: A01-ROUTINE INSPECTION
 Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 433-6236
 jkrall@ochca.com

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT TECH -INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

W90M - REPORTING AND RECORD KEEPING Manifests, exception/biennial reports and test results/waste analysis not maintained for 3 years. (CA Code of Regulations 66262.40)

The manifests and/or receipts for the removal of the facility's hazardous waste were maintained off site at CSUD's headquarters within their Insurance Department and not available for inspection on site. Please contact this Agency to arrange an inspection of your hazardous waste removal records within 30 days - or submit copies of the 2010 - 2011 records to this Agency.

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On site for a routine hazardous waste inspection. Everett Maxey, parts and inventory specialist, was present for the inspection. The facility was reported to have ceased vehicle maintenance with no fluid changes. Facility operations were reported to have been reduced to vehicle fueling with limited vehicle washing.

The storage of the facility's hazardous waste was inspected. Approximately 30 gallons of waste oil was found to be in storage on site. The storage container was closed and labeled. However, the label was faded and missing required information.

Each container and portable tank holding hazardous waste must be marked with the following information:

1. the words "HAZARDOUS WASTE"
2. Waste (name)
3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.)
4. Physical state of the waste (liquid or solid)
5. Facility name and address
6. Start accumulation date (date that waste storage in container begins)

Written spill response directions and emergency contact numbers must be provided for the employees. A hazardous waste emergency response card was provided for fill in and posting in a visible location for the employees if needed.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

**COPY MAILED TO OWNER
 AND/OR
 FACILITY OPERATOR**



PR0024884

CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
 Inspection Date: 12/22/2011
 Reinspection Date:

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT TECH -INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: A01-ROUTINE INSPECTION
 Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 433-6236
 jkrall@ochca.com

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On site to conduct a routine UST inspection and witness the Monitoring System Certification. The testing technician was martin Schwarz, OC Tank Testing. His testing credentials were provided for review and current.

Monitoring System Certification:

Positive shutdown / all UST sensors (UST annulars, fill sumps, turbine sumps, UDCs) tested and passed.
 Fail safe test (removing power to the monitoring system to test for turbine automatic shut down) passed.
 Sensor Out test passed.
 UST has flapper valve for overflow protection
 Leak detector (MLLD) certified.

Facility's SB989 secondary containment testing was being conducted this date.

Routine Inspection:

The UST documentation maintained on site and available for review included: UST Response Plan, UST Monitoring Plan, CUPA forms, Designated UST Operator (DO) monthly inspection reports, DO employee training records, UST test records, Certification of Financial Responsibility, and UST plot plan.

>>>>A copy of the facility's valid UST operating permit must be maintained on site.

>>>>A copy of the facility's 2009 and 2010 UST monitoring certifications were missing from the facility's on site test records. Please add copies to the records.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

COPY MAILED TO OWNER
AND/OR
FACILITY OPERATOR

Date



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179

Inspection Date: 02/26/2010

Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received copies of the receipts for the removal of the facility's accumulated used antifreeze and used oil by a registered hauler on 2-3-10 and 2-1-10 respectively. The violation (W30M) noted on the 12-10-09 inspection report was corrected.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ **COPY MAILED TO OWNER**

AND/OR

Signature _____ **FACILITY OPERATOR** _____ Date _____



Evergreen Environmental Services

dedicated to the protection of the environment

To schedule a pickup, call

800-972-5284

or 949-440-8300

6880 Smith Ave., Newark, CA EPA# CAD982413262

16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Work Order WO0262525

Bill of Lading

CAUN08

Customer

Send Payment to:
Evergreen Oil Inc
Dept. of LA 23234
Pasadena, CA 91185-3234

RECEIVED HCA
FEB 16 2010
ENVIRONMENTAL HLTH

Pickup Location:
CAPISTRANO UNIFIED SCHOOL DIST
25126 VICTORIA BLVD

CAPISTRANO BEACH CA 92624

Bill To:
CAPISTRANO UNIFIED SCHOOL DIST
32872 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675

Contact: EVRETT (949) 489-7388 Ext. 0000

NOTE

CUST NO	EPA NO	TERMS	PURCHASE ORDER NUMBER		TERRITORY	
CAUN08	94944	NET 30	245		245	
REQ DATE	BOE NO.	Billgroup	OIL ROUTE	PROFILE	PROFILE	PRINTED BY
2/1/2010			25126			EVRETT
Quantity	Item Description	Manifest No.	Unit Price	Amount		
Req. Pickup						
0.00	USED OIL NON-PCRA HAZ WASTE LIQUID [CA221] INC/LUB	00593310217K	\$0.00			
0.00	USED AUTO AIRFILTER NON-PCRA HAZ WASTE LIQUID [CA174]		\$0.00			
0.00	OIL & WATER NON-PCRA HAZ WASTE LIQUID [CA221]		\$0.00			
0.00	CHLORIDE FIELD TEST		\$0.00			
0.00	CRASH STREIP		\$0.00			
0.00	DIY USED OIL COLLECTION SVC		\$0.00			
URGENT PICK UP. NO MAN ON SITE. PLEASE CALL EVRETT AT 949-489-7388						

TSDF

Evergreen Oil, Inc.
6880 Smith Ave.
Newark, CA 94560
CAD98087418

Advanced Env. Svc.
13579 Whittman Ave
Fontana, CA 92335
CAT08025711

Lakeland Processing Company
12345 Lakeland Road
Santa Fe Springs, CA 90670
CAD008383291

CFR
2035 E. 15th Street
Los Angeles, CA 90021
CAL000270577

Evergreen Env. Svc.
16604 San Pedro St.
Carson, CA 90746
CAD9814696420

K-Pure Wastewrorks
8910 Rochester Ave.
Rancho Cucamonga, CA 91730

Demienko/Kerdoon
2000 N Alameda St.
Compton, CA 90222
CAT080013352

Source: Collection Station Government
 Marine Agricultural Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.

I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain Sample #

IMPORTANT NOTICE REGARDING THE DISPOSITION OF YOUR OIL.

Per California Health and Safety Code Section 25250.9, Evergreen hereby advises customer that customer's shipment of used oil may be transported to a facility that is required to comply with federal regulations applicable to management of used oil, but that is not required to comply with the more stringent requirements applicable to hazardous waste management facilities. California facilities that handle or process used oil are required to meet those more stringent requirements, and some out-of-state facilities that process used oil also meet those requirements. These include more stringent leak detection and prevention requirements, engineering certifications of tank integrity, and financial assurances for closure and accidental releases. It is lawful to send used oil to out-of-state facilities that comply only with federal used oil management standards and not these more stringent requirements. This notification is for information purposes only.

Driver Signature _____ Print Name _____ Route # _____ Date _____

RECEIVED HCA
FEB 16 2010
ENVIRONMENTAL HLTH



11942 Western Ave.
Stanton, CA 90690
(714) 698-3400

Due Upon Receipt
Please Pay from this invoice
"New Coolant and Waste Coolant Hauling"

<input checked="" type="checkbox"/> Waste Facility ID: CAT 080013332 Name: Deanne Keaton Address: 2000 Alameda ST City, State Zip: Compton, CA 90210	<input type="checkbox"/> Waste Facility ID: CAD 951696420 Name: Evergreen Environmental Address: 16604 S San Pedro ST City, State Zip: Carson, CA 90746
---	--

2-3-10

Service Date: _____

INVOICE: 69595

CAL EPA Generator# cad381968961
Sold To:

Map Page: 0 972 Grid: B-6

CAPISTRANO UNIFIED SCHO
26126 VICTORIA BLVD
CAPISTRANO BEAC CA 92624

Paid by: Check Cash Rec. auth.

Location: _____

Phone: (949) 661-1029

Contact: EVERT MAXE

Bus. Hrs. 5:00 to 4:00 wkdays to Sat

Payment Term A

Driver Instructions: -OFF 949 489 7478 or 949 289 9028 john cell (shop 949 489 7368)

P.O. or Ck# _____ Resale Id Number: _____

Qty	Description	Price	Gallons	Extension
	Heavy Duty Coolant	\$ 3.25	80	\$ 260.00
	Waste Coolant	\$ 2.00	30	\$ 60.00
	Pumps, Drums, Accessories			
	Other			
	Manifest # 0009034296BF			
	Fuel Surcharge 5440-223-00246			\$5.00
	Subtotal	9.44		\$ 270.00
	SALES TAX @ 7.75%	2.54		\$ 20.15
	Grand Total			\$ 310.15

HEAVY DUTY COOLANT Freeze Point @ _____ °

Customer Freeze Point Confirmation _____

Note: Any Coolant processed at less than 50% ethyl concentration is for closed loop fleet operations and not for sale to the general public.

Authorized by: [Signature] Print Name: Evert Maxe Driver _____ Rep _____ HS

All returned checks are subject to a \$25.00 charge

All amounts not paid within 30 days of invoice date are subject to 1-1/2% interest, per month, 18% annually, on unpaid balance.

THANK YOU FOR YOUR BUSINESS



Evergreen Environmental Services

Dedicated to the protection of the environment

To schedule a pickup, call

800-972-5284

or 949-440-8300

6880 Smith Ave., Newark, CA EPA# CAD982413282
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Send Payment to:

Evergreen Oil Inc
Dept. of LA 23234
Pasadena, CA 91185-3234

Work Order Bill of Lading

WO0262557

RECEIVED HCA
FEB 16 2010
ENVIRONMENTAL HLTH

Customer

Pickup Location: UNIFIED SCHOOL DIST
25125 VICTORIA BLVD

Bill To: CAPISTRANO UNIFIED SCHOOL DIST
32872 CALLE PERFECTO

CAPISTRANO BEACH CA 92624

SAN JUAN CAPISTRANO CA 92678

Ref: (949) 488-7117
MARK SALES REP

(949) 488-7368 Ext. 0000

Contact:

NOTE

QUANTITY		ITEM DESCRIPTION	MANIFEST NO.	UNIT PRICE	AMOUNT
100.00	1500	NON-HAZ WASTE COLLECTION SVC	NH 5017	\$0.50	
4.00	4	DOUBLY LANCY TRANSPORTATION		\$80.00	
0.00		WASHOUT FEE		\$0.00	
0.00		TEAM CLEANER		\$0.00	
0.00		VACUUM SOLIDS SURCHARGE GALLONS/LB		\$0.00	
0.00		VACUUM OVEN		\$0.00	
0.00		VACUUM TECHNICIAN		\$0.00	

PLS CALL 1ST AT 949-440-7118

TSDF

Consolidated Manifest

Evergreen Oil, Inc.
6880 Smith Ave.
Newark, CA 94360
CAD980887418

Advanced Env. Svc.
13579 Whittram Ave
Fontana, CA 92335
CAT080025711

Lakeland Processing Company
12345 Lakeland Road
Sunni Pe Springs, CA 90670
CAD00838291

CFR
2035 E. 15th Street
Los Angeles, CA 90021
CAL000270577

Evergreen Env. Svc.
16604 Snn Pedro St.
Carson, CA 90746
CAD9814696420

K-Pure Waterworks
8910 Rochester Ave.
Rancho Cucamonga, CA 91730

Demenn/Kerdoon
2000 N Alameda St.
Compton, CA 90222
CAT080013352

Source: Collection Station Government
 Marine Agricultural Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.
I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain Sample # _____

IMPORTANT NOTICE REGARDING THE DISPOSITION OF YOUR OIL.

Per California Health and Safety Code Section 25250.9, Evergreen hereby advises customer that customer's shipment of used oil may be transported to a facility that is required to comply with federal regulations applicable to management of used oil, but that is not required to comply with the more stringent requirements applicable to hazardous waste management facilities. California facilities that handle or process used oil are required to meet those more stringent requirements, and some out-of-state facilities that process used oil also meet those requirements. These include more stringent leak detection and prevention requirements, engineering certifications of tank integrity, and financial assurances for closure and accidental releases. It is lawful to send used oil to out-of-state facilities that comply only with federal used oil management standards and not these more stringent requirements. This notification is for information purposes only.

2/4/10
[Signatures]

NON-HAZARDOUS WASTE MANIFEST

EES20

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAL000036918		Manifest Document No. NH 5017		2. Page 1 of 1			
3. Generator's Name and Mailing Address Capistrano Unified School Dist. 26126 Victoria Blvd. Capistrano Beach 92624									
4. Generator's Phone (949) 424-7368		6. US EPA ID Number		A. State Transporter's ID					
5. Transporter 1 Company Name EVERGREEN ENVIRONMENTAL SERVICES		CAD982413262		B. Transporter 1 Phone 800-972-5284					
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID					
9. Designated Facility Name and Site Address LAKELAND PROCESSING COMPANY 12345 LAKELAND ROAD SANTA FE SPRINGS, CA 90870		10. US EPA ID Number CAD008383291		D. Transporter 2 Phone		E. State Facility's ID			
				F. Facility's Phone 562-944-6111					
11. WASTE DESCRIPTION NON-HAZARDOUS WASTE, LIQUID				12. Containers		13. Total Quantity		14. Unit Wt./Vol.	
				No. Type					
a. Water/sludge				01 TT		1500		G	
b.									
c.									
d.									
17. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information Profile # 08-2230 Wear protective clothing In case of Emergency call: CHEMTREL 800-424-9300 DOT ERG 171									
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.									
Printed/Typed Name X <i>[Signature]</i>				Signature <i>[Signature]</i>		Date 02/04/10			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name David Miramontes				Signature <i>[Signature]</i>		Date 02/04/10			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.									
Printed/Typed Name				Signature		Date			

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER FACILITY



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

PR0025322

Record ID: FA0025179

Inspection Date: 02/24/2009

Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F03-FOLLOW-UP INSPECTION

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:

CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

Reinspection was attempted to ascertain the correction of the hazardous waste storage violations noted during an 12-8-08 routine UST inspection. Facility was closed. Access was granted by employees who were leaving their sister facility next door. The violation (W32M) was observed uncorrected. The storage container labeling was still faded and missing required information. The correction of violation (W42M) could not ascertained.

Please contact this office to arrange a re inspection to confirm the correction of the facility's violations.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ **COPY MAILED TO OWNER** _____

AND/OR

Signature _____ **FACILITY OPERATOR** _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

Record ID: FA0025179
Inspection Date: 12/10/2009
Reinspection Date: 01/16/2010

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR

Service: A01-ROUTINE INSPECTION
Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

W30M - ACCUMULATION TIMES Generator does not store waste within approved accumulation times:

LQG: 90 days or less (CCR 66262.34(c)(2)).

SQG: 180 days or 270 days if transported more than 200 miles (CCR 66262.34(d)).

CESQG: 90 days after first 100 kg is generated (CCR 66262.34(c)(1)).

Satellite Accumulation (CCR 66262.34(f)(1)&(2)). (CA Code of Regulations 66262.34)

The accumulated used antifreeze and used oil stored on site have not been disposed of via a registered hauler in over one year. Please dispose/recycle his waste properly and send a copy of the receipt to this agency along with the signed completed CRC within 30 days.

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On site for a routine hazardous waste inspection. The facility has ceased vehicle maintenance with no fluid changes. Facility operations have been reduced to brake inspections and vehicle fueling.

The storage of the facility's hazardous waste was inspected. The storage containers were observed closed and labeled. However, the label on the used antifreeze storage container was faded and missing required information. A new label was provided for use. This will be corrected.

Each container and portable tank holding hazardous waste must be marked with the following information:

1. the words "HAZARDOUS WASTE"
2. Waste (name)
3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.)
4. Physical state of the waste (liquid or solid)
5. Facility name and address
6. Start accumulation date (date that waste storage in container begins)

The manifests and/or receipts for the removal of the facility's hazardous waste were maintained off site at CSUD's headquarters within their Insurance Department. This office was visited to inspect the removal documentation. The 2008 to present documentation was reviewed.

A hazardous waste emergency response card was provided for fill in and posting in a visible location for the employees.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

COPY MAILED TO OWNER
AND/OR
FACILITY OPERATOR

**INSPECTION REPORT**

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

**C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
Inspection Date: 12/10/2009

PR0025322

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

PR0025322

Record ID: FA0025179

Inspection Date: 08/08/2006

Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F04-FOLLOW-UP INSPECTION - OFF-SITE

Steve Sharp, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6225

Mailing Address:

CAPISTRANO UNIFIED SCHOOL DIST
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

This Agency has not received follow up documentation that the violations issued on 06/07/2006 have been corrected.

Please submit the Certificate of return to Compliance or a letter on District letterhead stating that the four hazardous waste violations have been corrected and the date they were corrected.

Please call Steven Sharp at 714-433-6225 if there are any questions regarding this off-site inspection report.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179

Inspection Date: 08/15/2008

Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATORService: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:

CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

This Agency received a copy of the receipt for the 5-5-08 removal of the facility's accumulated waste anti freeze by a registered hauler. The violation (W30M) noted on the 4-11-08 inspection report was corrected.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

copy mailed

Signature _____

Date _____

ENT'D NOV 19 2008

Date printed 8/15/2008

Hazardous Waste Stream

PR0025322 C U S D TRANSPORTATION CENTER
 FA0025179 26126 VICTORIA BLVD CAPISTRANO BEACH 92624
 CONTACT: JOHN GRNA 9497147349 Ext
 Ext

OWNER NAME: CAPISTRANO UNIFIED SCHOOL DIST
 EPA ID NUMBER CAD381968951
 NUMBER OF EMPLOYEES: 13 PE: 5110
 RCRA-LQG N Thomas Guide: 972-B7

Waste ID	Specific Waste	Location	Max Vol. Stored	Units	Form	How Stored	One Time Only	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
2041.W XD0017128	OIL AND WATER (T) CLARIFIER SLUDGE	OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER	100 GALLONS	1 GALLONS	2 LIQUID	95 NOT STORED	N	1200	1200	79 RECYCLED OFF-SITE -	2790
2070.W XD0017129	==WASTE (OR SLOP) OIL (T) USED OIL FILTERS	IN SHOP	660 POUNDS	2 POUNDS	1 SOLID	1 DRUM >= 55G-METAL	N	1000	1000	79 RECYCLED OFF-SITE -	2790
2117.W XD0017130	== NON - HALOGENATED SOLVENTS PARTS CLEANER	INSIDE BUS REPAIRING SERVICE BAYS	90 30 GALLONS	1 GALLONS	2 LIQUID	13 TANK - PROCESS CONTAINER	N	240 0	240 0	RECYCLED ON SITE +90 not yet disposed	9993 SEE "HOW DISPOSED"
2070.W XD0017131	==WASTE (OR SLOP) OIL (T) WASTE OIL	OUTSIDE SHOP	240 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	1000	1000	79 RECYCLED OFF-SITE -	2790
2084.W XD0017132	RADIATOR COOLANT / ETHYLENE GL ANTIFREEZE WASTE	OUTSIDE SHOP	110 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	330 55	330 55	79 RECYCLED OFF-SITE -	4094 TOXGUARD FLUID TECHNOLOGIES

PROCESS:

2070W

oil/absorbents

400

(2)

(1)

(1)

N 400 400

NO. OF WASTE STREAMS: 5

2790
Evergreen



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 12/08/2008
Reinspection Date: 01/07/2009

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR

Service: F03-FOLLOW-UP INSPECTION
Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

W32M - ACCUMULATION TIMES Each container and portable tank is not marked "Hazardous Waste" including:
Composition and Physical State of Waste.
Hazardous Properties (i.e. Flammable, Toxic).
Generators Name and Address. (CA Code of Regulations 66262.34(f)(3))

A hazardous waste storage AST and a hazardous waste storage drum, both located outside in a berm area, had labels that were faded and not legible.

Each container and portable tank holding hazardous waste must be marked with the following information:

- 1. the words "HAZARDOUS WASTE"
2. Waste (name)
3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.)
4. Physical state of the waste (liquid or solid)
5. Name and address of the business
6. Start Accumulation date

W42M - USE AND MANAGEMENT OF CONTAINERS Containers are not stored closed during transfer and storage. (CA Code of Regulations 66265.173(a))

A container storing a dark hazardous waste substance was not closed. It's lid was open and unsecured. The drum was approximately 1/3 full. Each container holding hazardous waste must be kept closed at all times, except to add or remove waste.

While I was on site to conduct a UST inspection, I observed the facility's outside storage of hazardous waste. I was informed that budget restraints has caused the facility to cease operation on a routine basis and was unmanned.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ copy mailed for signature

Signature _____ Date _____



INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

PR0025322

Record ID: FA0025179

Inspection Date: 04/08/2009

Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F03-FOLLOW-UP INSPECTION

Joyce Krall, REHS

HAZARDOUS WASTE SPECIALIST III

(714) 433-6236

Mailing Address:

CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

On site for a reinspection. The hazardous waste storage containers were observed closed and properly labeled. However, all containers had start accumulation dates of 3-2-09. Please confirm the date that waste began storage in each drum. Ensure that the start accumulation date marked on each drum is accurate. The violations (W32M, W42M) noted in the 12-8-08 inspection report were corrected.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title Joe Feldman Manager

Signature

Date

3/8/09



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 04/11/2008
Reinspection Date: 05/11/2008

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR
Service: F04-FOLLOW-UP INSPECTION - OFF-SITE
Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

THE BELOW NOTED VIOLATION(S) WERE OBSERVED DURING THE INSPECTION AND MUST BE CORRECTED

W30M - ACCUMULATION TIMES Generator does not store waste within approved accumulation times:

- LQG: 90 days or less (CCR 66262.34(c)(2)).
- SQG: 180 days or 270 days if transported more than 200 miles (CCR 66262.34(d)).
- CESQG: 90 days after first 100 kg is generated (CCR 66262.34(c)(1)).
- Satellite Accumulation (CCR 66262.34(f)(1)&(2)). (CA Code of Regulations 66262.34)

Satellite accumulation (please reference page 16 of the provided "Basics" booklet) allows storage of small amounts of hazardous waste for up to one year. The accumulated waste antifreeze has not been disposed of via a registered hauler for at least two years. Please dispose/recycle his waste properly and send a copy of the receipt to this agency along with the signed completed CRC within 30 days.

I received the response package addressing the correction of the violations W32M, W90M noted in the facility's 1-24-08 routine hazardous waste inspection.

The "Hazardous Waste....the Basics" booklets were provided to educate personnel on the proper labeling of the hazardous waste storage containers. The requested copies of the manifests/receipts for the removal of facility's hazardous waste were provided. The documents provided did not include receipts for the removal of the facility's waste anti-freeze or clarifier sludge.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ *copy mailed*

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

PR0025322

Record ID: FA0025179

Inspection Date: 01/29/2008

Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F04-FOLLOW-UP INSPECTION - OFF-SITE

Joyce Krall, REHS

HAZARDOUS WASTE SPECIALIST III

(714) 433-6236

Mailing Address:

CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

This report is in follow up to the 1-24-08 routine hazardous waste inspection conducted for this site. Carroll White was present for the inspection.

Called Carroll White to discuss.

ozzie

A parts washer is now in use at the facility which reportedly needs no change out and generates no waste. The Smartwasher model 08-2 uses "~~ex~~juice". The parts washer solution is added as necessary. Any sludge (if generated) is absorbed by the filters used within the machine. Waste filters from parts washer are added to the used oil filter drum for proper disposal.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 01/24/2008
Reinspection Date: 02/23/2008

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR

Service: A01-ROUTINE INSPECTION
Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

THE BELOW NOTED VIOLATION(S) WERE OBSERVED DURING THE INSPECTION AND MUST BE CORRECTED

W32M - ACCUMULATION TIMES Each container and portable tank is not marked "Hazardous Waste" including:
Composition and Physical State of Waste.
Hazardous Properties (i.e. Flammable, Toxic).
Generators Name and Address. (CA Code of Regulations 66262.34(f)(3))

The label on the waste coolant and the waste oil storage containers is incomplete, faded and not legible. The labeling is to be proper.

W90M - REPORTING AND RECORD KEEPING Manifests, exception/biennial reports and test results/waste analysis not maintained for 3 years. (CA Code of Regulations 66262.40)
Documentation showing the transport and acceptance of this site's hazardous waste by an approved treatment/disposal facility were not available for the waste oil, waste coolant, waste oil filters, and clarifier oily sludge that was removed from this site.

Manifests, consolidated manifests and bills of lading must be available for review during normal business hours. Copies must be kept for a minimum of three years from the date of disposal. Obtain a set of all applicable copies for your files. Forward a set to this Agency for the 2006 - 2007 years for review.

On site for a routine Hazardous Waste inspection. Carroll White, Supervisor / Vehicle Maintenance Specialist, was present for the inspection.

The storage and labeling of the hazardous waste containers was inspected. All containers were observed closed.

Three 2007 receipt/manifest copies for hazardous waste removed from this site were available on site for review.

A Hazardous Waste Emergency Response card was provided to be posted in a visible location for the employees.

A copy of OCHCA's "Hazardous Waste ...the Basics" was provided for reference on hazardous waste storage and labeling.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

copy mailed

ENT'D MAR 04 2008

Date printed 1/28/2008



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 01/24/2008

Signature _____ *copy marked* Date _____

Hazardous Waste Stream

PR0025322 C U S D TRANSPORTATION CENTER
 FA0025179 26126 VICTORIA BLVD CAPISTRANO BEACH 92624
 CONTACT: JOHN GRNA 9497147349 Ext
 Ext

OWNER NAME: CAPISTRANO UNIFIED SCHOOL DIST
 EPA ID NUMBER CAD381968951
 NUMBER OF EMPLOYEES: 13 PE: 5110
 RCRA-LQG N Thomas Guide: 972-B7

Waste ID	Specific Waste	Location	Max Vol. Stored	Units	Form	How Stored	One Time Only	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
2041.W XD0017128	OIL AND WATER (T) CLARIFIER SLUDGE	OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER	100 GALLONS	1 GALLONS	2 LIQUID	95 NOT STORED	N	1200	1200	79 RECYCLED OFF-SITE -	2790
2070.W XD0017129	==WASTE (OR SLOP) OIL (T) USED OIL FILTERS	IN SHOP	650 POUNDS	10 POUNDS	1 SOLID	1 DRUM == 55G-METAL	N	1000	1000	79 RECYCLED OFF-SITE -	2790
2117.W XD0017130	== NON - HALOGENATED SOLVENTS PARTS CLEANER	INSIDE BUS REPAIRING SERVICE BAYS	99 GALLONS	1 GALLONS	2 LIQUID	13 TANK - PROCESS CONTAINER	N	240	240	1 90 RECYCLED ON SITE not yet disposed	9993 9994 SEE "HOW DISPOSED"
2070.W XD0017131	==WASTE (OR SLOP) OIL (T) WASTE OIL	OUTSIDE SHOP	240 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	1000	1000	79 RECYCLED OFF-SITE -	2790
2084.W XD0017132	RADIATOR COOLANT / ETHYLENE GL ANTIFREEZE WASTE	OUTSIDE SHOP	110 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	330	330	79 RECYCLED OFF-SITE -	4094 TOXGUARD FLUID TECHNOLOGIES

PROCESS:

2070.W. oil absorbants
 XD0038741

NO. OF WASTE STREAMS: 5
 400 (2) (1) (1) N 400 400 79
 lbs solid
 Evergreen Env. Services



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179

Inspection Date: 09/20/2006

Reinspection Date:Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F04-FOLLOW-UP INSPECTION - OFF-SITE

Steve Sharp, REHS
HAZARDOUS WASTE SPECIALIST III

(714) 433-6225

7:00-8:00 a.m.

Mailing Address:

CAPISTRANO UNIFIED SCHOOL DIST
MICHAEL PATTON
2B LIBERTY
ALISO VIEJO, CA 92656

Received CUSD's letter dated August 25, 2006 addressing all existing violations at this facility. All violations have been corrected based on the statements in the letter.

Thank you for addressing the violations promptly.

Please call if there are any questions.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



Capistrano Unified School District

Excellence in Education

33122 Valle Road, San Juan Capistrano, CA 92675

Telephone (949) 234-9200

BOARD OF TRUSTEES

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TERRY FLUENT
Director
Purchasing/Warehouse

MICHAEL PATTON
Director
Transportation

CHRISTINA SANGSTER
Director
Food and Nutrition

August 25, 2006

Steve Sharp
Hazardous Waste Specialist III
County of Orange
Health Care Agency
Environmental Health
1241 East Dyer Road
Suite 120
Santa Ana, CA 92705-5611

Re: Inspection Reports

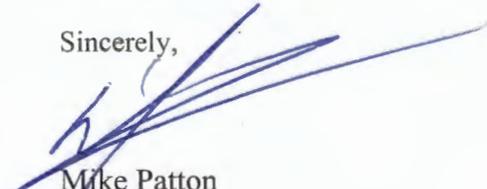
Dear Steve,

This letter is in response to the violations noted in the inspection reports received on August 11, 2006. John Grna, Supervisor, Vehicle Maintenance Specialist, emailed you a list of repairs the week of June 26, 2006. We were uncertain whether you received John's email. Below is a list of the repairs:

1. We labeled the hazardous waste drums, and dated the labels with a start accumulation date.
2. We are now emptying out the watering jug after installing coolant into vehicles, and are looking forward for an approved closeable type container. At no time is this container left unattended with coolant in it.
3. We have new containers on order for the diesel fuel which will be a closeable type and designed for diesel fuel.
4. We removed the pan that had water and engine oil that was stored outside. We moved the engine inside which needs to be picked up for an engine core.

Please let us know if there is anything further you need from us.

Sincerely,


Mike Patton
Director

MP:lm

RECEIVED HCA/RH
AUG 31 2006
ENVIRONMENTAL HLTH

DRUG USE
IS
LIFE ABUSE



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 06/07/2006
Reinspection Date: 07/07/2006

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL
GENERATOR

Service: F03-FOLLOW-UP INSPECTION
Steve Sharp, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6225

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

THE BELOW NOTED VIOLATION(S) WERE OBSERVED DURING THE INSPECTION AND MUST BE CORRECTED

W31M - ACCUMULATION TIMES Each container and portable tank is not clearly marked with beginning accumulation date. (CA Code of Regulations 66262.34(f)(1)&(2))
Each container and portable tank holding hazardous waste must be marked with the start date of accumulation.

Each container and portable tank holding hazardous waste must be marked with the start date of accumulation.

W32M - ACCUMULATION TIMES Each container and portable tank is not marked "Hazardous Waste" including: Composition and Physical State of Waste. Hazardous Properties (i.e. Flammable, Toxic). Generators Name and Address. (CA Code of Regulations 66262.34(f)(3))

Each container and portable tank holding hazardous waste must be marked with the following information:

1. the words "HAZARDOUS WASTE"
2. Waste (name)
3. Hazardous property of the waste (e.g. - toxic, flammable, corrosive, etc.)
4. Physical state of the waste (liquid or solid)
5. Name and address of the business

W42M - USE AND MANAGEMENT OF CONTAINERS Containers are not stored closed during transfer and storage. (CA Code of Regulations 66265.173(a))
Each container holding hazardous waste must be kept closed at all times, except to add or remove waste.

W62M - PREPAREDNESS AND PREVENTION Facility is not maintained and operated to minimize possibility of fire, explosion, or release of hazardous waste (or hazardous waste constituents) to air, soil, or water; including:

Testing and Maintenance of Equipment (CA Code of Regulations 66265.33)

Each facility communication or alarm system, fire protection equipment, spill control equipment, and decontamination equipment, where required, must be tested and maintained as necessary to assure its proper operation in time of emergency.

On-site for a follow up inspection of this facility during the retesting of the secondary containment testing. 

During the inspection I observed the hazardous waste storage area and the facility maintenance shop.

The hazardous waste drums were not properly labeled.

An antifreeze topper plant watering can was observed next to a school bus adjacent to the garage. The use



INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0025322

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 06/07/2006

of a plant watering jug is not appropriate. Please replace the watering jug with an appropriate container that is closable when not in immediate use.

An Igloo water jug cooler is currently being used to store diesel fuel. An appropriate container that is securely closable and is designed for the storage of diesel fuel must be used. The current container is a spill hazard and is not appropriate.

An engine that has been removed is stored out in the open. The oil pan is full of oil and possibly water. The oil pan contents must be properly managed.

The hazardous waste best management practices need to be improved at this facility. Care and attention to detail must be emphasized to reduce surface spills and leaving out open containers of hazardous waste and materials.

The above violations must be immediately corrected. The certificate of return to compliance provided during this inspection must be returned within 30 days.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title JOHN GRANA VEH. MAINT. SUPERVISOR

Signature John Grana Date 6-7-06



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179 **PR0025322**

Inspection Date: 12/28/2005

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR

Service: - *A01*

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

Reinspection Date:
Steve Sharp, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6225

On-site for a routine hazardous waste generator inspection. John Grna of CUSD was present during the inspection.

This facility maintains, fuels and cleans school buses.

Reviewed hazardous waste manifests for all wastes generated at this facility.

1,200 gallons of clarifier waste was transported by Evergreen Environmental, Approximately 1,000 gallons of waste oil was transported by Evergreen Environmental, 6 drums of used oil filters were transported by Evergreen Environmental, Waste coolant is recycled by Toxguard.

Inspected the shops, the parking area, and the sump/bus lift area.

All hazardous waste drums were properly labeled during this inspection. Provided additional labels for hazardous waste and used oil filters.

A business Emergency Plan was available for review during the inspection.

No violations observed during this inspection.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title JOHN GRNA VEHICLE MAINTENANCE SUPERVISOR IV

Signature *John Grna* Date 12-28-05

ENTERED JAN 10 2006

Hazardous Waste Stream

PR0025322 C U S D TRANSPORTATION CENTER
 FA0025179 26126 VICTORIA BLVD CAPISTRANO BEACH 92624
 CONTACT: ~~ADOLPH OLIVARES~~ 9497147349 Ext
JOHN GARN Ext

OWNER NAME: CAPISTRANO UNIFIED SCHOOL DIST
 EPA ID NUMBER CAD381968951
 NUMBER OF EMPLOYEES: 13 PE: 5110
 RCRA-LQG N Thomas Guide: 972-B7

Waste ID	Specific Waste	Location	Max Vol. Stored	Units	Form	How Stored	One Time Only	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
2041.W XD0017128	OIL AND WATER (T) CLARIFIER SLUDGE	OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER	100 GALLONS	1 GALLONS	2 LIQUID	95 NOT STORED	N	1500 1200	1500 1200	79 RECYCLED OFF-SITE -	2790 EVERGREEN ENVIRONMENTAL
2070.W XD0017129	==WASTE (OR SLOP) OIL (T) USED OIL FILTERS	IN SHOP	650 POUNDS	2 POUNDS	1 SOLID	1 DRUM >= 55G-METAL	N	1000	1000	79 RECYCLED OFF-SITE -	2790 EVERGREEN ENVIRONMENTAL
2117.W XD0017130	== NON - HALOGENATED SOLVENTS PARTS CLEANER	INSIDE BUS REPAIRING SERVICE BAYS	96 GALLONS	1 GALLONS	2 LIQUID	13 TANK - PROCESS CONTAINER	N	240	240	1 RECYCLED ON SITE	9993 SEE "HOW DISPOSED"
2070.W XD0017131	==WASTE (OR SLOP) OIL (T) WASTE OIL	OUTSIDE SHOP	240 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	1000	1000	79 RECYCLED OFF-SITE -	2790 EVERGREEN ENVIRONMENTAL
2084.W XD0017132	RADIATOR COOLANT / ETHYLENE GL ANTIFREEZE WASTE	OUTSIDE SHOP	110 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	330	330	79 RECYCLED OFF-SITE -	4094 TOXGUARD FLUID TECHNOLOGIES

PROCESS:

NO. OF WASTE STREAMS: 5



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179 **PR0025322**
Inspection Date: 12/27/2004
Type of Facility: 5112-HAZARDOUS WASTE GENERATOR
11-25 EMPLOYEES
Service: A01-ROUTINE INSPECTION

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

Reinspection Date:
Steve Sharp, REHS
(714) 433-6225

On-site for a routine hazardous waste generator inspection. John Grna of CUSD was present during the inspection.

This facility maintains, fuels and cleans school buses.

Reviewed hazardous waste manifests for all wastes generated at this facility.

1,500 gallons of clarifier waste was transported by Evergreen Environmental, Approximately 1,000 gallons of waste oil was transported by Evergreen Environmental, 6 drums of used oil filters were transported by Evergreen Environmental, Waste coolant is recycled by Toxguard.

Inspected the shops, the parking area, and the sump/bus lift area.

All hazardous waste drums were properly labeled during this inspection

A business Emergency Plan was available for review during the inspection.

No violations observed during this inspection.

This inspection report will be mailed to Mr. Grna due to printer problems. The inspection report was read in detail with Mr. Grna at the conclusion of the inspection.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ 

Signature _____ Date _____

ENTERED FEB 7 - 2005

Hazardous Waste Stream

PR0025322 C U S D TRANSPORTATION CENTER
 FA0025179 26126 VICTORIA BLVD CAPISTRANO BEACH 92624
 CONTACT: ADOLPH OLIVARES 9497147349 Ext
 Ext

OWNER NAME: CAPISTRANO UNIFIED SCHOOL DIST
 EPA ID NUMBER CAD381968951
 NUMBER OF EMPLOYEES: 13 PE: 5112
 RCRA-LQG N Thomas Guide: 972-B7

Waste ID	Specific Waste	Location	Max Vol. Stored	Units	Form	How Stored	One Time Only	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
2041.W XD0017128	OIL AND WATER (T) CLARIFIER SLUDGE	OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER	100 GALLONS	1 GALLONS	2 LIQUID	95 NOT STORED	N	1500 2800	1500 2800	79 RECYCLED OFF-SITE -	2790 EVERGREEN ENVIRONMENTAL
2070.W XD0017129	==WASTE (OR SLOP) OIL (T) USED OIL FILTERS	IN SHOP	650 POUNDS	2 POUNDS	1 SOLID	1 DRUM >= 55G-METAL	N	1,000 2400	1,000 2400	79 RECYCLED OFF-SITE -	2790 EVERGREEN ENVIRONMENTAL
2117.W XD0017130	== NON - HALOGENATED SOLVENTS PARTS CLEANER	INSIDE BUS. REPAIRING SERVICE BAYS	96 GALLONS	1 GALLONS	2 LIQUID	13 TANK - PROCESS CONTAINER	N	240	240	78 1 RECYCLED OFF-SITE - SAFETY ON-SITE	9993 SEE "HOW DISPOSED"
2070.W XD0017131	==WASTE (OR SLOP) OIL (T) WASTE OIL	OUTSIDE SHOP	240 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	1,000 2400	1,000 2400	79 RECYCLED OFF-SITE -	2790 EVERGREEN ENVIRONMENTAL
2084.W XD0017132	RADIATOR COOLANT / ETHYLENE GL ANTIFREEZE WASTE	OUTSIDE SHOP	110 GALLONS	1 GALLONS	2 LIQUID	11 TANK - ABV/GRND STATIONARY	N	330	330	79 RECYCLED OFF-SITE -	4094 2790 - TONGUE EVERGREEN ENVIRONMENTAL

NO. OF WASTE STREAMS: 5



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
 2009 E. Edinger Ave., Santa Ana, CA 92705
 (714) 667-3600

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179 **PR0025322**
 Inspection Date: 12/10/2003
 Type of Facility: HAZARDOUS WASTE GENERATOR 11-25 E
 Service: A01-ROUTINE INSPECTION (INVENTORIED)
Reinspection Date:
 Jeremy Grant, REHS
 (714) 667-3729

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 32972 CALLE PERFECTO
 SAN JUAN CAPISTRANO, CA 92675

- Routine inspection conducted this date.
- Hazardous waste drums and tanks were labeled and stored shut.
- Hazardous waste manifests available for review.
- Fire Dept. Business Emergency Plan available for review.
- No violations noted.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title JOHN GRANA VEHICLE MAINT. SUPERVISOR

Signature Date 12-10-03

ENTERED DEC 29 2003



CERTIFIED UNIFIED PROGRAM AGENCY INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health

Hazardous Materials Management Section

2009 E. Edinger Ave., Santa Ana, CA 92705

(714) 667-3600

FA Number: 0025179 PR#: 0025322 - HW
0024884 - UST

Facility: CUSD Transportation Center

Street: 26126 Victoria Blvd. Suite No. _____

City: Capistrano Beach Zip: 92624

Programs Inspected: HW TP UST AST-SPCC CalARP

RCRA (LQG) HHW Recycler

Type of Inspection: HW Aol TP _____ UST Aol AST-SPCC _____ CalARP _____

RCRA (LQG) _____ Recycler _____ HHW _____

Number of Employees: _____ EPA# _____

SIC _____ Exempt Tanks _____

Business Owner: _____ Phone: () _____

Address: _____

Contact: _____ Phone: () _____

Bill to Address (if different than facility address): _____ Tank Owner: _____

Emergency Contact: _____ Phone: () _____

Inspector #: 294 Name: Jeremy Grant Date: 10/3/02

ENTERED NOV 25 2002

Page 1 of 7



COA INSPECTION REPORT – HAZARDOUS WASTE (CONTINUED)
County of Orange, Environmental Health, Hazardous Materials Management Section
 2009 E. Edinger Ave., Santa Ana, CA 92705 (714) 667-3600

FA # _____

DBA/Name CUSD Address 2626 Victoria Blvd CS

Y N N/A # C	<u>Description</u>	<u>Citation</u>
Waste Determination [Chapter 12, Article 1]		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W01 _____ Hazardous waste determination made for all wastes	§66262.11 CCR
Identification Numbers [Chapter 12, Article 1]		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W05 _____ Generator has obtained proper identification number (800) 61-TOXIC	§66262.12(a) CCR
Waste Transport & Disposal		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W10 _____ Hazardous waste is transported by a valid DTSC registered transporter	§25163 H&SC
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W11 _____ Hazardous waste is disposed at a point authorized per H&SC Chapter 6.5	§25189.2(c) H&SC
Manifest Requirements [Chapter 12, Article 2]		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W20 _____ Manifests are used For Transporting Hazardous Waste Unless Exempted	§66262.20(a) CCR
	<input type="checkbox"/> Milk Run Waste <input type="checkbox"/> Variance Waste Hauler <input type="checkbox"/> Bill of Lading	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W21 _____ Designated TSDF Is Permitted To Handle The Waste	§66262.20(b) CCR
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W22 _____ Manifests Are Properly Completed by Generator & Copy Sent To DTSC Within 30 Days	§66262.23(a) CCR
Accumulation Times: A generator who accumulates waste for periods greater than indicated is an operator of a storage facility		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W30 _____ Generator Stores Waste Within Approved Accumulation Times:	
	<input type="checkbox"/> LQG: 90 days or less	§66262.34(c)(2) CCR
	<input type="checkbox"/> SQG: 180 days or 270 days if transported more than 200 miles	§66262.34(d) CCR
	<input type="checkbox"/> CESQG: 90 days after first 100 kg. is generated	§66262.34(c)(1) CCR
	<input type="checkbox"/> Satellite Accumulation	§66262.34(a) CCR
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W31 _____ Each container and portable tank is clearly marked with beginning accumulation date	§66262.34(f)(1)&(2) CCR
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W32 _____ Each container and portable tank is marked Hazardous Waste including:	§66262.34(f)(3) CCR
	<input type="checkbox"/> composition and physical state of waste	
	<input type="checkbox"/> hazardous properties (i.e., flammable, toxic)	
	<input type="checkbox"/> generators name and address	
Use and Management of Containers [Chapter 15, Article 9]		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W40 _____ Containers in good condition (no severe rusting, structural defects) and are not leaking	§66265.171 CCR
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	W41 _____ Containers or inner liners are compatible with the hazardous waste being stored/transferred	§66265.172 CCR



COFA INSPECTION REPORT – HAZARDOUS WASTE (CONTINUED)
County of Orange, Environmental Health, Hazardous Materials Management Section
 2009 E. Edinger Ave., Santa Ana, CA 92705 (714) 667-3600

FA # _____

DBA/Name CUSD

Address 26126 Victoria, CB

Y	N	N/A	#	C	Description	Citation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W42	___	Containers are stored closed during transfer and storage	§66265.173(a) CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W43	___	Containers are handled or managed in a manner to prevent ruptures or leaks	§66265.173(b) CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W44	___	Container storage areas are inspected weekly for deterioration and leaks	§66265.174 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W45	___	Containers storing ignitable wastes are stored 15 meters from property line	§66265.176 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W46	___	Incompatible wastes are properly stored and segregated	§66265.177 CCR

Tank Systems [Chapter 15, Article 10]

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W50	___	Generator complies with requirements of Article 10 (tank management standards) except sections 66265.197 & 66265.200	§66262.34(a)(1) CCR
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Preparedness & Prevention [Chapter 15, Article 3]

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W60	___	Facility is maintained & operated to minimize possibility of fire, explosion or release of hazardous waste or hazardous waste constituents to air, soil, or water; including	§66265.31 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W61	___	Required Equipment	§66265.32 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W62	___	Testing and Maintenance of Equipment	§66265.33 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W63	___	Access to Communication or Alarm System	§66265.34 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W64	___	Required Aisle Space	§66265.35 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W65	___	Arrangements with Local Authorities	§66265.37 CCR

Contingency Plan and Emergency Procedures [Chapter 15, Article 4]

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W70	___	Facility has a contingency plan to minimize fires, explosions, or releases of hazardous waste or hazardous constituents to air, soil or water; including	§66265.51, 52, 53, 54 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W71	___	Emergency Coordinator	§66265.55 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W72	___	Emergency Procedures	§66265.56 CCR

Personnel Training [Chapter 15, Article 2]

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W80	___	Personnel have completed classroom or on-the-job training in hazardous waste management	§66265.16(a)(1) CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W81	___	Training conducted by a person trained in hazardous waste management procedures	§66265.16(a)(2) CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W82	___	Personnel are trained within six months of employment or assignment and an annual review	§66265.16(b) & (c) CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W83	___	Adequate training records are maintained and kept onsite	§66265.16(d) & (e) CCR



COFA INSPECTION REPORT – HAZARDOUS WASTE (CONTINUED)
County of Orange, Environmental Health, Hazardous Materials Management Section
 2009 E. Edinger Ave., Santa Ana, CA 92705 (714) 667-3600

FA # _____

DBA/Name CUSD

Address 26126 Victoria, CB

Y N N/A #	C	<u>Description</u>	<u>Citation</u>	
Reporting and Record Keeping				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W90	_____ Manifests, exception/biennial reports and test results/waste analysis maintained for 3 years	\$66262.40 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W91	_____ Biennial report submitted by RCRA LQG	\$66262.41 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W92	_____ Records, receipts, or recycling contract for excluded "silver-only" water	\$261.5/266.70 40 CFR
Facility Closure [Chapter 15, Article 7]				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W93	_____ Facility closed in a manner necessary to protect human health and the environment	\$66265.111 CCR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W94	_____ All equipment, structures and soil have been decontaminated or properly disposed of	\$66265.114 CCR
Source Reduction Review, Plans & Performance Reports				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W95	_____ Facility has developed & submitted required SB-14 Plans & Reports	\$25244.19, \$25244.20, \$25244.21 H&SC
Universal Wastes				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> W96	_____ Universal wastes are managed in compliance with Chapter 23	\$66261.9 CCR
		<input type="checkbox"/>	Certificate of Return to Compliance (CRC) issued	

- Hazardous Waste Manifest available for review.

- Hazardous Waste Contingency Plan posted.

- Hazardous Waste tanks and drums were labeled and stored shut.

No Violations Noted.

I declare that I have examined and received a copy of this 4 of 7 page inspection report.

Print Name and Title: JOHN GRNA VEHICLE MAINTENANCE SUPERVISOR

Signature: John Grna Date: 10-3-02



COUNTY OF ORANGE HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
 2009 E. EDINGER AVENUE
 SANTA ANA, CA 92705-4720
 (714) 667-3600

<input type="checkbox"/>	Haz. Waste
<input checked="" type="checkbox"/>	UST
<input type="checkbox"/>	T.P.

**HAZARDOUS WASTE & UNDERGROUND STORAGE TANK
 FOLLOW-UP INSPECTION REPORT**

FILE # 001172 ACCOUNT # 7227-15 EPA I.D.# _____
 FACILITY CVSD PERMIT # _____
 STREET 26126 Victoria MAP COORDINATES _____
 CITY Lago Beach ZIP 92624 DISTRICT 201

HAZARDOUS WASTE INSPECTION TYPE 93 # OF UST ON-SITE _____ UST INSPECTION TYPE → _____
 NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE _____
 STATUS TYPE _____ EXEMPT TYPE _____ STATUS TYPE _____
 EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

Received a certificate of return to compliance with attached hazardous waste manifests for all waste streams.

Abate violation 054.

*RECEIVED
 JUL 17 2001*

ACTIVE ICRS # _____ INSPECTOR # 294 NAME Jeremy Grant DATE 7/3/01

I declare that I have read and received a copy of this inspection report

Mailed to Kitty Smith
 Print Name _____ Title _____

Signature _____ Date _____

ENTERED JUL 17 2001



County of Orange Health Care Agency
 Environmental Health Division
 Hazardous Materials Management Section
 2009 E. Edinger Avenue
 Santa Ana, CA 92705
 Telephone: (714) 667-3600
 Fax # (714) 568-5116

714 568 5003
 RECEIVED

Certificate of Return to Compliance

Violations Identified in the Inspection Report dated: 6/20/01 Inspector: J. Grant

Facility's Name: CVSD EPA ID Number: _____

Facility's Address: 26126 Victoria Account: 7227

City: Lepo Beach

Zip: 92624

Respondent's Name: Kitty Smith

Respondent's Title: _____

You must correct the violations listed on the attached Inspection Report within 30 days or as stipulated on the Inspection Report. Within five working days of achieving compliance, you must sign the statement certifying compliance and return it to this office at the above address. This Agency may reinspect this facility at any time.

I certify under penalty of law that:

1. I have corrected the violations from the Inspection Report as dated above.
2. I have personally examined any documentation attached to this certification to establish that the violations have been corrected, and have determined that all of the information provided is true, accurate and complete.
3. I am authorized to file this certification on behalf of the facility.
4. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

DATE ALL VIOLATIONS WERE CORRECTED: 6/21/01

Signature: Kitty Smith

Printed or Typed Name: Kitty Smith

Title: Risk Mgt. Tech Date 6/21/01

CR

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3600

HAZARDOUS WASTE, UNDERGROUND STORAGE TANK, TIERED PERMITS INSPECTION REPORT

FILE NO: 001172 ACCOUNT NO: 7227 EPA#: CAI381968951
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-4
STREET: 26126 VICTORIA BLVD BLDG# STE# MAP COORDINATES: 972-B7
CITY: ~~SANTA ANA~~ *Capistrano Beach* ZIP: 92624 DISTRICT: 201
CITY CODE: [40] CAPISTRANO BEACH
NEAREST CROSS STREET: CAMINO CAPISTRANO
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? Y

NEW INFO: _____
HW INSPECTION TYPE: 1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: 1
TIERED PERMIT INSPECTION TYPE: _____
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL :2 UST COMPLIANCE CODE: 0
LAST HW ROUTINE INSPECTION: 04-24-00 LAST UST ROUTINE INSPECTION: 04-24-00
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1
TIERED PERMIT EXEMPT CODE: _____ TIERED PERMIT STATUS CODE: _____

TP NOTIFICATION FILED (Y/N)? _____ HHWCF _____
BUSINESS OWNER: C U S D TRANSPORTATION PHONE: ⁹⁴⁹ (714) 489-7000
TANK OPERATOR: ADOLPH OLIVARES PHONE: (714) 489-7349
CONTACT: ADOLPH OLIVARES PHONE: (714) 489-7349

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (949) 496-1215

AGENCY CONTACTS

~~ADOLPH OLIVARES~~ *Kitty Smith* PHONE: ⁹⁴⁹ (714) 489-7349

ENTERED JUL 14 2001

7046

ICR: _____
TOR #: 294 NAME: Jeremy Grant DATE: 6/20/01
e: 05-22-01 HW CNTR: 14 UST CNTR: 34 TP CNTR: 1 PAGE 1 OF 1

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BLVD BLDG# STE#
: DANA POINT, CA 92624
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAI381968951
PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

ZEP PARTS WASHER IS CYCLED THROUGH A FILTER. A HEATER
EVAPORATES THE FLUID AND THE FILTER IS COMINGLED WITH
THE OIL FILTERS.

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] LOCAL AND INTERURBAN PASSENGER TRANSIT

6 WASTE ID: [2119.W] ~~CAREURETOR CLEANER~~
SPECIFIC WASTE: ~~PARTS WASH - CARE CLEANER~~
LOCATION: ~~OUTSIDE SERVICE BAYS-ONE CAN~~
MAX VOL STORED: 5 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 5 ANNUAL VOL. DISPOS.: 5
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: WASTE OIL
LOCATION: OUTSIDE SHOP
MAX VOL STORED: ²⁴⁰~~300~~ UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] ~~DRUM~~ ^{Tank Above Ground} (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL
SPECIFIC WASTE: ANTIFREEZE WASTE
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] ~~DRUM~~ ^{Tank Above Ground} (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 330 ANNUAL VOL. DISPOS.: 330
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

ON DATE: 6/20/01

PAGE: 2 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BLVD BLDG# STE#
: DANA POINT, CA 92624
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968951
11 WASTE ID: [2041.W] OIL AND WATER (T)

SPECIFIC WASTE: CLARIFIER SLUDGE

LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER

MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [3336] DICKS VACUUM SERC

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: USED OIL FILTERS

LOCATION: IN SHOP

MAX VOL STORED: 650 UNIT: [2] POUNDS FORM: [1] SOLID

HOW STORED: [1] DRUM = 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [9991] HAULED WITH BILL OF LADING

15 WASTE ID: [2117.W] == NON - HALOGENATED SOLVENTS

SPECIFIC WASTE: PARTS CLEANER

LOCATION: INSIDE BUS REPAIRING SERVICE BAYS

MAX VOL STORED: 96 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 240 ANNUAL VOL. DISPOS.: 240

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [9993] SEE "HOW DISPOSED"

WASTE ID: [] _____

SPECIFIC WASTE: _____

LOCATION: _____

MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____

HOW STORED: [] _____ ONE-TIME-ONLY? _____

ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [] _____

HAULER: [] _____

INSPECTION DATE: 6/20/01

PAGE: 3 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BLVD BLDG# STE#
: DANA POINT, CA 92624
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAI381968951

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

04/24/00 M 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON-SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON-SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION AND EMERGENCY PROCEDURES

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

451 HAZARDOUS WASTE STORED BEYOND MAXIMUM ACCUMULATION TIME

455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED

501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS

502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM

503 CONTAINERS ARE NOT STORED CLOSED

504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS

505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE

506 INCOMPATIBLES ARE NOT MANAGED/STORED TO PREVENT CONTACT OR MIXING

700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: 6 / 20 / 01

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DEA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BLVD BLDG# STE#
: DANA POINT, CA 92624
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172

ACCOLINT NO: 7227

EPA# : CA0381968951

Tiered Permitting

601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction

901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

0543 Provide copies of the hazardous waste manifest used to dispose of all waste streams.

- Hazardous waste tanks and drums were labeled and stored shut.

- Hazardous waste contingency plan available for review.

* A certificate of return to compliance was issued. Fill out the form and return it with copies of the hazardous waste manifests.

I HEREBY CERTIFY THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 7 PAGE INSPECTION REPORT.

NAME & TITLE: Ditty Smith
Ditty Smith

DATE: 6/20/01

CPC

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3600

HAZARDOUS WASTE, UNDERGROUND STORAGE TANK, TIERED PERMITS INSPECTION REPORT

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CA0381968951
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-4
STREET: 26126 VICTORIA BL BLDG# STE# MAP COORDINATES: 972-B7
CITY: DANA POINT ZIP: 92624 DISTRICT: 201
CITY CODE: [40] CAPISTRANO BEACH
NEAREST CROSS STREET: CAMINO CAPISTRANO
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? Y

NEW INFO: _____
HW INSPECTION TYPE: 1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: 1
TIERED PERMIT INSPECTION TYPE: _____
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL : 2 UST COMPLIANCE CODE: 10
LAST HW ROUTINE INSPECTION: 07-15-97 LAST UST ROUTINE INSPECTION: 07-15-97
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1
TIERED PERMIT EXEMPT CODE: TIERED PERMIT STATUS CODE:

TP NOTIFICATION FILED (Y/N)? _____ HHWCF _____
BUSINESS OWNER: C U S D TRANSPORTATION PHONE: (714) 489-7000
TANK OPERATOR: ADOLPH OLIVARES PHONE: (714) 489-7349
CONTACT: ADOLPH OLIVARES PHONE: (714) 489-7349

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO
SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO
SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (949) 496-1215

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES PHONE: (714) 489-7349

ACTIVE ICR: _____
INSPECTOR #: 294 NAME: Jeremy Grant DATE: 4/24/00
Run Date: 04-11-00 HW CNTR: 13 UST CNTR: 30 TP CNTR: 1 PAGE 1 OF 7



ENTERED MAY 2 2000

[Handwritten signature]

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: DANA POINT, CA 92624
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968951
PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

Zep parts washer is cycled through a filter. A heater evaporates the fluid and the filter is commingled with the oil filters.

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] LOCAL AND INTERURBAN PASSENGER TRANSIT

2117w Aqueous Parts Washer
5 WASTE ID: [2105.W] ~~PETROLEUM DISTILLANT SOLVENT / STODDARD~~

SPECIFIC WASTE: PARTS CLEANER
LOCATION: INSIDE BUS REPAIRING SERVICE BAYS
MAX VOL STORED: 96 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 240 ANNUAL VOL. DISPOS.: 240
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [~~1406~~] SAFETY KLEEN *S See How Disposed
9993

6 WASTE ID: [2119.W] CARBURETOR CLEANER
SPECIFIC WASTE: PARTS WASH - CARB CLEANER
LOCATION: OUTSIDE SERVICE BAYS-ONE CAN
MAX VOL STORED: 5 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 5 ANNUAL VOL. DISPOS.: 5
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: WASTE OIL
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 300 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

INSPECTION DATE: 4 / 24 / 00

PAGE: 2 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: DANA POINT, CA 92624
CITY CODE:[40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968951
9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL

9 SPECIFIC WASTE: ANTIFREEZE WASTE
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 330 ANNUAL VOL. DISPOS.: 330
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

11 WASTE ID: [2041.W] OIL AND WATER (T)

11 SPECIFIC WASTE: CLARIFIER SLUDGE
LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER
MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

12 SPECIFIC WASTE: USED OIL FILTERS
LOCATION: IN SHOP
MAX VOL STORED: 650 UNIT: [2] POUNDS FORM: [1] SOLID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [9991] HAULED WITH BILL OF LADING

WASTE ID: [] _____

SPECIFIC WASTE: _____

LOCATION: _____

MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____

HOW STORED: [] _____ ONE-TIME-ONLY? _____

ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [] _____

HAULER: [] _____

INSPECTION DATE: ⁴ 8 / 24 / 00

PAGE: 3 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: DANA POINT, CA 92624
CITY CODE:[40] CAPISTRANO BEACH

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD381968951

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON-SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON-SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION AND EMERGENCY PROCEDURES

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

451 HAZARDOUS WASTE STORED BEYOND MAXIMUM ACCUMULATION TIME

455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED

501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS

502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM

503 CONTAINERS ARE NOT STORED CLOSED

504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS

505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE

506 INCOMPATIBLES ARE NOT MANAGED/STORED TO PREVENT CONTACT OR MIXING

700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: 4/24/00

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: DANA POINT, CA 92624
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD381968951

Tiered Permitting

___ 601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction

___ 991 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Hazardous Waste Contingency plan available for review.

- Hazardous waste drums were properly labeled and stored closed.

054 - Provide copies of the hazardous waste manifest for all waste streams for the past 12 months

* A certificate of return to compliance was issued. Fill out the form and return it within 30 days with copies of the haz. waste manifest.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 7 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: Aditya Kumar - Vehicle Maint. Sup.

SIGNATURE: Aditya Kumar

DATE: 7/24/00

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3600

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968951
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-3
STREET: 26126 VICTORIA BL BLDG# STE# MAP COORDINATES: 972-B7
CITY: CAPISTRANO BEACH ZIP: 92624 DISTRICT: 301
CITY CODE: [40] CAPISTRANO BEACH
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? N
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? Y
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL :2 UST COMPLIANCE CODE: 0
LAST HW ROUTINE INSPECTION: 07-25-96 LAST UST ROUTINE INSPECTION: 07-25-96
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1
BUSINESS OWNER: C U S D TRANSPORTATION PHONE: (714) 489-7000
TANK OPERATOR: ADOLPH OLIVARES PHONE: (714) 489-7349
CONTACT: ADOLPH OLIVARES PHONE: (714) 489-7349
HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES PHONE: (714) 489-7349
NIGHT: ADOLPH OLIVARES PHONE: (714) 489-7000

ACTIVE ICR: INSPECTOR: 233 NAME: Brenda Jo Paepeke DATE: 7.15.97
Run Date: 07-14-97 HW INSP CNTR: 12 UST INSP CNTR: 19 PAGE 1 OF 7

ENTERED JUL 22 1997

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968751
PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] LOCAL AND INTERURBAN PASSENGER TRANSIT

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD
SPECIFIC WASTE: PARTS CLEANER
LOCATION: (INSIDE BUS REPAIRING SERVICE BAYS
MAX VOL STORED: 96 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ~~400~~ 240 ANNUAL VOL. DISPOS.: ~~400~~ 240
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER
SPECIFIC WASTE: PARTS WASH - CARB CLEANER
LOCATION: OUTSIDE SERVICE BAYS-ONE CAN
MAX VOL STORED: 5 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ~~20~~ 5 ANNUAL VOL. DISPOS.: ~~20~~ 5
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: WASTE OIL
LOCATION: OUTSIDE SHOP - ~~55 GAL DRUMS~~
MAX VOL STORED: ~~200~~ ³⁰⁰ UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

INSPECTION DATE: 7.15.97

PAGE: 2 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968951
9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL

9 SPECIFIC WASTE: ANTIFREEZE WASTE
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM }= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 330 ANNUAL VOL. DISPOS.: 330
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

11 WASTE ID: [2041.W] OIL AND WATER (T)

11 SPECIFIC WASTE: CLARIFIER SLUDGE
LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER
MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3336] DICKS VACUUM SERC

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

12 SPECIFIC WASTE: USED OIL FILTERS
LOCATION: IN SHOP
MAX VOL STORED: ~~100~~ 650 UNIT: [2] POUNDS FORM: [1] SOLID
HOW STORED: [1] DRUM }= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [9991] HAULED WITH BILL OF LADING

WASTE ID: [] _____
SPECIFIC WASTE: _____
LOCATION: _____
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____
HOW DISPOS.: [] _____
HAULER: [] _____

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD381968951

VIOLATION DESCRIPTIONS

Waste Determination

___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

___ 052 MANIFESTS NOT ACCURATELY COMPLETED

___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC

___ 101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON-SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

___ 252 DEVIATION FROM DTSC - APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON-SITE

Contingency Plan

___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION AND EMERGENCY PROCEDURES

Emergency

___ 404 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling

___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage

___ 451 HAZARDOUS WASTE STORED BEYOND MAXIMUM ACCUMULATION TIME

___ 454 WASTE IS NOT PACKAGED, LABELED, AND FLAGGED ACCORDING TO 49 CFR (DOT)

___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED

___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS

___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM

___ 503 CONTAINERS ARE NOT STORED CLOSED

___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS

___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE

___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING

___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS

___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: 7.15.97

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26124 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: (40) CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD381968951

Tiered Permitting
___ 601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction
___ 901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE
___ 902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Reviewed invoices from waste haulers which are kept on site as required.
- Containers are properly labeled & stored closed.
- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 5 of 7 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____
SIGNATURE: _____

DATE: 7.15.97

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

CAD 381968951

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAL000014207
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-2
STREET: 26126 VICTORIA BL BLDG# STE# MAP COORDINATES: 972-B7
CITY: CAPISTRANO BEACH ZIP: 92624 DISTRICT: 301
CITY CODE: [40] CAPISTRANO BEACH
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? N
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? Y
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL :2 UST COMPLIANCE CODE: 0

LAST HW ROUTINE INSPECTION: 07-19-95 LAST UST ROUTINE INSPECTION: 07-19-95
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1

BUSINESS OWNER: C U S D TRANSPORTATION PHONE: (714) 489-7000
TANK OPERATOR: ADOLPH OLIVARES PHONE: (714) 489-7349
CONTACT: ADOLPH OLIVARES PHONE: (714) 489-7349

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

EMERGENCY CONTACTS ENTERED AUG 6 1996
DAY: ADOLPH OLIVARES PHONE: (714) 489-7349
NIGHT: ADOLPH OLIVARES PHONE: (714) 489-7000

ACTIVE ICR: _____
INSPECTOR #: 233 NAME: Brenda Jo Paepeke DATE: 7.25.96
Run Date: 06-19-96 HW INSP CNTR: 11 UST INSP CNTR: 17 PAGE 1 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAL000014207
PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] LOCAL AND INTERURBAN PASSENGER TRANSIT

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD
SPECIFIC WASTE: PARTS CLEANER
LOCATION: INSIDE BUS REPAIRING SERVICE BAYS
MAX VOL STORED: 95 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER
SPECIFIC WASTE: PARTS WASH - CARB CLEANER
LOCATION: OUTSIDE SERVICE BAYS-ONE CAN
MAX VOL STORED: 5 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 20 ANNUAL VOL. DISPOS.: 20
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: WASTE OIL
LOCATION: OUTSIDE SHOP - 55 GAL DRUMS
MAX VOL STORED: 220 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [3714] ~~ALL PHASE ENVIRONMENTAL~~ Dicks Vacuum
3716

INSPECTION DATE: 7/25/96

PAGE: 2 OF 2

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAL000014207
9 WASTE ID: [2034.W] RADIATOR COOLANT / ETHYLENE GLYCOL

SPECIFIC WASTE: ANTIFREEZE WASTE

LOCATION: OUTSIDE SHOP

MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 330 ANNUAL VOL. DISPOS.: 330

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [3314] ~~ALL PHASE ENVIRONMENTAL~~

3316 Dicks Vacuum

11 WASTE ID: [2041.W] OIL AND WATER (T)

SPECIFIC WASTE: CLARIFIER SLUDGE

LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER

MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: ~~100~~ 50 ANNUAL VOL. DISPOS.: ~~100~~ 50

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [3314] ~~ALL PHASE ENVIRONMENTAL~~

3316 Dicks

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: USED OIL FILTERS

LOCATION: IN SHOP

MAX VOL STORED: 110 UNIT: [2] POUNDS FORM: [1] SOLID

HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [9991] HAULED WITH BILL OF LADING

WASTE ID: [] _____

SPECIFIC WASTE: _____

LOCATION: _____

MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____

HOW STORED: [] _____ ONE-TIME-ONLY? _____

ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [] _____

HAULER: [] _____

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAL000014207

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

252 DEVIATION FROM DTSC - APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage

451 HAZARDOUS WASTE STORED BEYOND MAXIMUM ACCUMULATION TIME

454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 CFR (DOT)

455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED

501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS

502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM

503 CONTAINERS ARE NOT STORED CLOSED

504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS

505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE

506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING

507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS

700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: 7/25/96

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA
CITY CODE: [40] CAPISTRANO BEACH

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAL000014207

Tiered Permitting

601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction

901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Reviewed invoices/manifests from waste haulers which are kept on site as required.

- Containers are properly labeled & stored.

- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS ⁵⁰⁷ PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 7/25/96

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

CAL 000014207

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : ~~CAP901968951~~
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-2
STREET: 26126 VICTORIA BL BLDG# STE# PERMIT: 02/12/92 - 02/10/1997
CITY: [40] CAPISTRANO BEACH ZIP: 92624 MAP COORDINATES: 972-B7
DISTRICT: 401
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? N
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? Y
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL :2 UST COMPLIANCE CODE: 0
LAST HW ROUTINE INSPECTION: 07/06/94 LAST UST ROUTINE INSPECTION: 07/06/94
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1

BUSINESS OWNER: C U S D TRANSPORTATION PHONE: (714) 489-7000
TANK OPERATOR: ADOLPH OLIVARES PHONE: (714) 489-7349
CONTACT: ADOLPH OLIVARES PHONE: (714) 489-7349

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES PHONE: (714) 489-7349
NIGHT: ADOLPH OLIVARES PHONE: (714) 489-7000

ENTERED
JUL 24 1995

ACTIVE ICR: _____
INSPECTOR #: 233 NAME: Brenda Jo Puelke DATE: 7/19/95
Run Date: 06-22-95 HW INSP CNTR: 10 UST INSP CNTR: 16 PAGE 1 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD981968951

PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS

SIC CODE 2: [4100] LOCAL AND INTERURBAN PASSENGER TRANSIT

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD

SPECIFIC WASTE: PARTS CLEANER

LOCATION: INSIDE BUS REPAIRING SERVICE BAYS

MAX VOL STORED: 96 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER

SPECIFIC WASTE: PARTS WASH - CARB CLEANER

LOCATION: OUTSIDE SERVICE BAYS-ONE CAN

MAX VOL STORED: ⁵15 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [2] DRUM < 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 20 ANNUAL VOL. DISPOS.: 20

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: WASTE OIL

LOCATION: OUTSIDE SHOP - 55 GAL DRUMS

MAX VOL STORED: ²²⁰440 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [~~15~~] ~~ASBURY ENVIRONMENTAL SERVICES~~

3314 All Phase

INSPECTION DATE: 7/19/95

PAGE: 2 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD981968951

9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL
SPECIFIC WASTE: ANTIFREEZE WASTE
LOCATION: OUTSIDE SHOP

9 MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: ~~165~~ 330 ANNUAL VOL. DISPOS.: ~~165~~ 330
HOW DISPOS.: [7] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [~~15~~] ~~ASBURY ENVIROMENTAL SERVICES~~
3314 All Phase

11 WASTE ID: [2041.W] OIL AND WATER (T)
SPECIFIC WASTE: CLARIFIER SLUDGE

11 LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER
MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [9] NOT STORED ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100
HOW DISPOS.: [7] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [~~15~~] ~~ASBURY ENVIROMENTAL SERVICES~~
3314 All Phase

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: USED OIL FILTERS

12 LOCATION: IN SHOP
MAX VOL STORED: 110 UNIT: [2] POUNDS FORM: [1] SOLID
HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [7] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [9991] HAULED WITH BILL OF LADING

WASTE ID: [] _____
SPECIFIC WASTE: _____
LOCATION: _____
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____
HOW DISPOS.: [] _____
HAULER: [] _____

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD981968951

VIOLATION DESCRIPTIONS

Waste Determination

___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

___ 052 MANIFESTS NOT ACCURATELY COMPLETED

___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DTSC

___ 101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

___ 252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling

___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Storage

___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS

___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)

___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED

___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS

___ 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM

___ 503 CONTAINERS ARE NOT STORED CLOSED

___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS

___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE

___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING

___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS

___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

___ 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

INSPECTION DATE: 7, 19, 95

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD981968951

Tiered Permitting

601 FACILITY HAS NOT FILED NOTIFICATION UNDER TIERED PERMITTING

Source Reduction

901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Reviewed invoices from waste haulers which are kept on site as required.

- Containers are properly labeled & stored.

- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 507 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 7, 1995

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD981968951
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-2
STREET: 26126 VICTORIA BL BLDG# STE# MAP COORDINATES: 972-B7
CITY: [40] CAPISTRANO BEACH ZIP: 92624 DISTRICT: 401
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? N
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? Y
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL :2 UST COMPLIANCE CODE: 0
LAST DATE HW INSPECTED: 09/28/93 LAST DATE UST INSPECTED: 05/17/94
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1
BUSINESS OWNER: C U S D TRANSPORTATION PHONE: (714) 489-7000
TANK OPERATOR: ADOLPH OLIVARES PHONE: (714) 489-7349
CONTACT: ADOLPH OLIVARES PHONE: (714) 489-7349
HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES
NIGHT: ADOLPH OLIVARES

ENTERED *[Signature]*
JUL 13 1994

PHONE: (714) 489-7349
PHONE: (714) 489-7000

ACTIVE ICR: _____

INSPECTOR #: 233 NAME: Brenda Jo Robertson DATE: 7/6/94

HW INSP CNTR: 9 UST INSP CNTR: 15 PAGE 1 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD981968951

PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] LOCAL AND INTERURBAN PASSENGER TRANSIT

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD

5
SPECIFIC WASTE: PARTS CLEANER
LOCATION: INSIDE BUS REPAIRING SERVICE BAYS
MAX VOL STORED: 96 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER

6
SPECIFIC WASTE: PARTS WASH - CARB CLEANER
LOCATION: OUTSIDE SERVICE BAYS-ONE CAN
MAX VOL STORED: 15 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [2] DRUM (55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 20 ANNUAL VOL. DISPOS.: 20
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

7
SPECIFIC WASTE: WASTE OIL
LOCATION: OUTSIDE SHOP - 55 GAL DRUMS
MAX VOL STORED: 440 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [15] ASBURY ENVIROMENTAL SERVICES

INSPECTION DATE: 7/6/94

PAGE: 2 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD981968951

9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL

SPECIFIC WASTE: ANTIFREEZE WASTE

LOCATION: OUTSIDE SHOP

MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 165 ANNUAL VOL. DISPOS.: 165

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [15] ASBURY ENVIROMENTAL SERVICES

11 WASTE ID: [2041.W] OIL AND WATER (T)

SPECIFIC WASTE: CLARIFIER SLUDGE

LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER

MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [15] ASBURY ENVIROMENTAL SERVICES

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: USED OIL FILTERS

LOCATION: IN SHOP

MAX VOL STORED: 110 UNIT: [2] POUNDS FORM: [1] SOLID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [9991] HAULED WITH BILL OF LADING

WASTE ID: [] _____

SPECIFIC WASTE: _____

LOCATION: _____

MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____

HOW STORED: [] _____ ONE-TIME-ONLY? _____

ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [] _____

HAULER: [] _____

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD981968951

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

Source Reduction

901 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION EVALUATION REVIEW AND PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

902 GENERATOR HAS NOT PREPARED A SOURCE REDUCTION COMPLIANCE CHECKLIST OR HAS NOT MAINTAINED THE CHECKLIST AT THE SITE

INSPECTION DATE: 7/6/94

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# STE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD981968951

Storage

- 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
- 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
- 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
- 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
- 503 CONTAINERS ARE NOT STORED CLOSED
- 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
- 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
- 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
- 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
- 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

- 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

-Reviewed invoices from waste haulers which are kept on site as required.

-Containers are properly labeled & stored closed.

-No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 5 of 7 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 7/6/97

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# SUITE#
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD000036918

PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES

EPA ID #~~CAD 000036918~~

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS

SIC CODE 2: [4100] PASSENGER TRANSPORTATION

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD

SPECIFIC WASTE: PARTS CLEANER

LOCATION: INSIDE BUS REPAIRING SERVICE BAYS

MAX VOL STORED: ~~50~~⁹⁶ UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER

SPECIFIC WASTE: PARTS WASH - CARB CLEANER

LOCATION: OUTSIDE SERVICE BAYS-ONE CAN

MAX VOL STORED: 15 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [2] DRUM < 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: ~~20~~²⁰ ANNUAL VOL. DISPOS.: ~~20~~²⁰

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: WASTE OIL

LOCATION: OUTSIDE SHOP ~~PORTABLE~~ 55 GAL DRUMS

MAX VOL STORED: 440 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [~~122~~] ~~AZTEC OIL CO. #0~~

15 Ashbury Env. Serv.

INSPECTION DATE: 9/28/93

PAGE: 2 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# SUITE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD000036918

9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL

SPECIFIC WASTE: ANTIFREEZE WASTE

LOCATION: OUTSIDE SHOP

MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 165 ANNUAL VOL. DISPOS.: 165

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [15] ASBURY ENVIROMENTAL SERVICES

11 WASTE ID: [2041.W] OIL AND WATER (T)

SPECIFIC WASTE: CLARIFIER SLUDGE

LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER

MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [15] ASBURY ENVIROMENTAL SERVICES

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: USED OIL FILTERS

LOCATION: IN SHOP

MAX VOL STORED: ¹¹⁰~~55~~ UNIT: [2] POUNDS FORM: [1] SOLID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: ~~55~~ 2400 ANNUAL VOL. DISPOS.: ~~55~~ 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [9991] HAULED WITH BILL OF LADING

WASTE ID: [] _____

SPECIFIC WASTE: _____

LOCATION: _____

MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____

HOW STORED: [] _____ ONE-TIME-ONLY? _____

ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____

HOW DISPOS.: [] _____

HAULER: [] _____

INSPECTION DATE: 9/28/93

PAGE: 3 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# SUITE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD000036918

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT

356 STATE & LOCAL AUTHORITIES WERE NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY

401 APPROPRIATE FIREFIGHTING, SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE

402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY NOT CONDUCTED

403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

INSPECTION DATE: 9, 20, 93

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL BLDG# SUITE#
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : CAD000036918

Storage

- 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
- 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
- 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
- 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
- 503 CONTAINERS ARE NOT STORED CLOSED
- 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
- 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
- 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
- 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
- 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

- 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Reviewed invoices from waste hauler? which are kept on site as required.

- Containers are properly labeled & stored closed.

- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS ⁵⁴⁷ PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 9/28/93

check for permit 918

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : CAD000036918
FACILITY: C U S D TRANSPORTATION CENTER UST PERMIT NO: 7227-1
STREET: 26126 VICTORIA BL PERMIT: EXPIRED
CITY: [40] CAPISTRANO BEACH ZIP: 92624 MAP COORDINATES: 972-B7
DISTRICT: 401
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? N
NEW DBA? NEW BUSINESS? NEW ADDRESS? NEW OWNER? PUBLIC AGENCY? Y
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL : 2 UST COMPLIANCE CODE: 20
LAST DATE HW INSPECTED: 02/24/92 LAST DATE UST INSPECTED: 03/04/92
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1

BUSINESS OWNER: C U S D TRANSPORTATION PHONE: (____) ____-____
TANK OPERATOR: ED ROONEY/ADOLPH OLIVARES PHONE: (714) 496-1215
CONTACT: ADOLPH OLIVARES PHONE: (714) 496-1215

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES PHONE: (714) 496-1215
NIGHT: ADOLPH OLIVARES PHONE: (714) 496-3284

ACTIVE ICR: _____
INSPECTOR #: 233 NAME: Brenda J Piepke DATE: 11/24/92
HW INSP CNTR: 7 UST INSP CNTR: 12 PAGE 1 OF 2

ENTERED
DEC 03 1992

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : _____

PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES
EPA ID #CAD 000036918

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] PASSENGER TRANSPORTATION

~~004 WASTE ID: [99999] NO CHEMICAL, TANK REMOVED
SPECIFIC WASTE: _____
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 550 UNIT: [] _____ FORM: [2] LIQUID
HOW STORED: [10] TANK - UNDERGROUND ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: 2000
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [1289] CALIF. WASTE OIL CO.~~

Please Delete

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD
SPECIFIC WASTE: PARTS CLEANER
LOCATION: INSIDE BUS REPAIRING SERVICE BAYS
MAX VOL STORED: 90 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER
SPECIFIC WASTE: PARTS WASH - CARB CLEANER
LOCATION: OUTSIDE SERVICE BAYS-ONE CAN
MAX VOL STORED: 15 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [2] DRUM < 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 5 ANNUAL VOL. DISPOS.: 5
HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

INSPECTION DATE: 11, 24, 92

PAGE: 2 OF 8

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 EPA# : _____

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: WASTE OIL
LOCATION: OUTSIDE SHOP-PORTABLE 55 GAL DRUMS
MAX VOL STORED: 440 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [122] AZTEC OIL CO. *0

9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL
SPECIFIC WASTE: ANTIFREEZE WASTE
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 165 ANNUAL VOL. DISPOS.: 165
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [15] ASBURY ENVIROMENTAL SERVICES

11 WASTE ID: [2041.W] OIL AND WATER (T)
SPECIFIC WASTE: CLARIFIER SLUDGE
LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER
MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100
HOW DISPOS.: [79] NOT YET DISPOSED OF
HAULER: [9994] NOT YET HAULED *Asbury*

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: USED OIL FILTERS
LOCATION: IN SHOP
MAX VOL STORED: 55 UNIT: [2] POUNDS FORM: [1] SOLID
HOW STORED: [1] DRUM)= 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 55 ANNUAL VOL. DISPOS.: 55
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [9991] HAULED WITH BILL OF LADING

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : _____

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT

356 STATE & LOCAL AUTHORITIES WERE NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY

401 APPROPRIATE FIREFIGHTING, SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE

402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY NOT CONDUCTED

403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

INSPECTION DATE: 11, 24, 92

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

EPA# : _____

Storage

- 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
- 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
- 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
- 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
- 503 CONTAINERS ARE NOT STORED CLOSED
- 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
- 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
- 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
- 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
- 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

- 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Reviewed invoices & manifests from waste haulers which are kept on site as required.

- Containers are properly labeled & stored closed.

- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 7 ^{50 of 7} PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 11 24 92

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 001172 ACCOUNT NO: 7227 UST PERMIT NO: 7227-1
~~CB141 LINE 162 NON-NUMERIC DATA WHEN NUMERIC REQUIRED: ZERO USED!~~
FACILITY: C U S D TRANSPORTATION CENTER PERMIT: 02/13/87 - 02/12/92
STREET: 26126 VICTORIA BL MAP COORDINATES: 38-B5
CITY: [40] CAPISTRANO BEACH ZIP: 92624 DISTRICT: 401
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? No
NEW DBA? NEW BUSINESS? NEW ADDRESS? NEW OWNER? PUBLIC AGENCY? Y
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 N # TANKS TO BILL :2 UST COMPLIANCE CODE: 0
LAST DATE HW INSPECTED: 11/01/91 LAST DATE UST INSPECTED: 12/03/91
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1
BUSINESS OWNER: CUSD PHONE:
TANK OPERATOR: ED ROONEY/ADOLPH OLIVARES PHONE: (714) 496-1215
CONTACT: ADOLPH OLIVARES PHONE: (714) 496-1215
HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: 7144961215 PHONE: (714) 496-1215

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES PHONE: (714) 496-1215
NIGHT: ADOLPH OLIVARES PHONE: (714) 496-3284

ENTERED
ACTIVE ICR:
INSPECTOR #: 233 NAME: Brenda Jo Puelke DATE: 2/24/92
HW INSP CNTR: 6 UST INSP CNTR: 10 PAGE 1 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 UST PERMIT NO: 7227-1

PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES
EPA ID #CAD 000036918

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] PASSENGER TRANSPORTATION

~~004 WASTE ID: [99999] NO CHEMICAL, TANK REMOVED
SPECIFIC WASTE: _____
LOCATION: OUTSIDE SHOP
MAX VOL STORED: 550 UNIT: [] FORM: [] LIQUID
HOW STORED: [] TANK - UNDERGROUND ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: 2000
HOW DISPOS.: [] 79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [1289] CALIF. WASTE OIL CO.~~

Delete
↓

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD
SPECIFIC WASTE: PARTS CLEANER
LOCATION: INSIDE BUS REPAIRING SERVICE BAYS
MAX VOL STORED: 90 UNIT: [] GALLONS FORM: [] LIQUID
HOW STORED: [] 13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600
HOW DISPOS.: [] 78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER
SPECIFIC WASTE: PARTS WASH - CARB CLEANER
LOCATION: OUTSIDE SERVICE BAYS-ONE CAN
MAX VOL STORED: 15 UNIT: [] GALLONS FORM: [] LIQUID
HOW STORED: [] 2] DRUM < 55G-METAL ONE-TIME-ONLY? N
ANNUAL VOL. GEN.: 5 ANNUAL VOL. DISPOS.: 5
HOW DISPOS.: [] 78] RECYCLED OFF-SITE - SAFETY KLEEN
HAULER: [1406] SAFETY-KLEEN *S

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 UST PERMIT NO: 7227-1

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

SPECIFIC WASTE: WASTE OIL

1 LOCATION: OUTSIDE SHOP-PORTABLE 55 GAL DRUMS

MAX VOL STORED: 440 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [122] AZTEC OIL CO. *0

9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL

9 SPECIFIC WASTE: ANTIFREEZE WASTE

LOCATION: OUTSIDE SHOP

MAX VOL STORED: 110 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 165 ANNUAL VOL. DISPOS.: 165

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [15] ASBURY OIL CO

11 WASTE ID: [2041.W] OIL AND WATER (T)

11 SPECIFIC WASTE: CLARIFIER SLUDGE

LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER

MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [95] NOT STORED ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100

HOW DISPOS.: [90] NOT YET DISPOSED OF

HAULER: [9994] NOT YET HAULED

12 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

12 SPECIFIC WASTE: USED OIL FILTERS

12 LOCATION: IN SHOP

MAX VOL STORED: 55 UNIT: [2] POUNDS FORM: [1] SOLID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? N

ANNUAL VOL. GEN.: 55 ANNUAL VOL. DISPOS.: 55

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [9991] HAULED WITH BILL OF LADING

INSPECTION DATE: 2/24/92

PAGE: 3 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

UST PERMIT NO: 7227-1

VIOLATION DESCRIPTIONS

Waste Determination

001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE

EPA Identification Number

051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER

Manifests

052 MANIFESTS NOT ACCURATELY COMPLETED

053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE

054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION

055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS

101 MANIFESTS, BIENNIAL REPORT, EXCEPTION REPORTS, TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS

Non-Registered Hauler

201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER

202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY

Extremely Hazardous Waste

251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT

252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE

Training

301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT

302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT

303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE

304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE

Contingency Plan

351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE

352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION

353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES

Emergency

354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED

355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT

356 STATE & LOCAL AUTHORITIES WERE NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY

401 APPROPRIATE FIREFIGHTING, SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE

402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY NOT CONDUCTED

403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE

404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT

405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE

Labeling

452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION

453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS

INSPECTION DATE:

2,24,92

PAGE 4 OF 7

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

UST PERMIT NO: 7227-1

Storage

- 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
- 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
- 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
- 502 CONTAINERS ARE NOT COMPATIBLE WITH THE WASTE IN THEM
- 503 CONTAINERS ARE NOT STORED CLOSED
- 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS
- 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE
- 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING
- 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS
- 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE

Closure

- 800 FACILITY HAS NOT BEEN CLOSED IN A MANNER WHICH WILL PROTECT HUMAN HEALTH AND THE ENVIRONMENT

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and California Code of Regulations, Title 22, and shall be corrected as indicated

- Reviewed invoices from waste haulers which are maintained on site.

- Containers are labeled & stored closed

- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS ^{5 of 7} 7 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 2/21/92

Orange County Health Care Agency
Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 001172 *DM* ACCOUNT NO: 7227 UST PERMIT NO: 7227-1
FACILITY: C U S D TRANSPORTATION CENTER PERMIT: 02/13/87 - 02/12/92
STREET: 26126 VICTORIA BL MAP COORDINATES: 38-B5
CITY: [40] CAPISTRANO BEACH ZIP: 92624 DISTRICT: 401
NEAREST CROSS STREET: CAMINO CAPISTRANO TSD FACILITY? No
NEW DBA? NEW BUSINESS? NEW ADDRESS? NEW OWNER? PUBLIC AGENCY? Yes
NEW INFO: _____

HW INSPECTION TYPE: #1 NO OF UST ON SITE: 2 UST INSPECTION TYPE: #1
NUMBER OF EMPLOYEES: 13 # TANKS TO BILL : 2 UST COMPLIANCE CODE: 1
LAST DATE HW INSPECTED: 07/10/90 LAST DATE UST INSPECTED: 07/10/90
HW EXEMPT CODE: 2 UST EXEMPT CODE: 1
HW STATUS CODE: 1 UST STATUS CODE: 1

BUSINESS OWNER: _____ PHONE: _____
TANK OPERATOR: ED ROONEY/ADOLPH OLIVARES PHONE: (714) 496-1215
CONTACT: ADOLPH OLIVARES PHONE: (714) 496-1215

HW BILLING (NAME & MAILING ADDRESS): UST BILLING (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DIST CAPISTRANO UNI SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: (714) 496-1215 PHONE: (714) 496-1215

PROPERTY OWNER (NAME & MAILING ADDRESS): TANK OWNER (NAME & MAILING ADDRESS):
CAPISTRANO UNIFIED SCHOOL DISTRICT CAPISTRANO UNIFIED SCHOOL DISTRICT
32972 CALLE PERFECTO 32972 CALLE PERFECTO

SAN JUAN CAPISTRANO CA 92675 SAN JUAN CAPISTRANO CA 92675
PHONE: 7144961215 PHONE: (714) 496-1215

ENTERED NOV 06 1991 *DM*

EMERGENCY CONTACTS
DAY: ADOLPH OLIVARES PHONE: (714) 496-1215
NIGHT: ADOLPH OLIVARES PHONE: (714) 496-3284

ACTIVE ICR: _____
INSPECTOR #: 233 NAME: Brenda b Paepke DATE: 11/1/91
TIME SPENT: _____ HW INSP CNTR: 5 UST INSP CNTR: 8 PAGE 1 OF 8

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 UST PERMIT NO: 7227-1

PROCESS: REPAIR AND SERVICE OF SCHOOL BUSES AND AUTOMOBILES
EPA ID# CAD 000036918

SIC CODE 1: [7538] GENERAL AUTOMOTIVE REPAIR SHPS
SIC CODE 2: [4100] PASSENGER TRANSPORTATION

5 WASTE ID: [2105.W] PETROLEUM DISTILLANT SOLVENT / STODDARD

✓ SPECIFIC WASTE: parts cleaner

LOCATION: INSIDE BUS REPAIRING SERVICE BAYS

MAX VOL STORED: ⁹⁰~~120~~ UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [13] TANK - PROCESS CONTAINER ONE-TIME-ONLY? No

ANNUAL VOL. GEN.: 600 ANNUAL VOL. DISPOS.: 600

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [1406] SAFETY-KLEEN *S

6 WASTE ID: [2119.W] CARBURETOR CLEANER

✓ SPECIFIC WASTE: parts wash - carb cleaner

LOCATION: OUTSIDE SERVICE BAYS-ONE CAN

MAX VOL STORED: ¹⁵~~20~~ UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [2] DRUM < 55G-METAL ONE-TIME-ONLY? No

ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: 5

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

HAULER: [1406] SAFETY-KLEEN *S

7 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)

✓ SPECIFIC WASTE: waste oil

LOCATION: OUTSIDE SHOP-PORTABLE 55 GAL DRUMS

MAX VOL STORED: ⁴⁴⁰~~200~~ UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [1] DRUM >= 55G-METAL ONE-TIME-ONLY? No

ANNUAL VOL. GEN.: 2400 ANNUAL VOL. DISPOS.: ~~1000~~ 2400

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

HAULER: [122] AZTEC OIL CO. *0

INSPECTION DATE: 11/1/91

PAGE: 2 OF 8

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 UST PERMIT NO: 7227-1

~~8 WASTE ID: [2070.W] ==WASTE (OR SLOP) OIL (T)
SPECIFIC WASTE: waste
LOCATION: OUTSIDE SERVICE BAYS-ONE AST
MAX VOL STORED: 250 UNIT: [1] GALLONS FORM: [2] LIQUID ✓
HOW STORED: [1] TANK -ABV/GRND STATIONARY ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: 5000
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [122] AZTEC OIL CO. *Q~~

Delete

9 WASTE ID: [2084.W] RADIATOR COOLANT / ETHYLENE GLYCOL
SPECIFIC WASTE: antifreeze waste
LOCATION: OUTSIDE SHOP
MAX VOL STORED: ¹¹⁰~~165~~ UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [1] DRUM => 55G-METAL ONE-TIME-ONLY? No
ANNUAL VOL. GEN.: 1105 ANNUAL VOL. DISPOS.: 165
HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA
HAULER: [15] ASBURY OIL CO

~~10 WASTE ID: [2009.W] ASBESTOS WASTE
SPECIFIC WASTE: _____
LOCATION: INSIDE MAIN SHOP-VACUUMS ASBESTOS FROM BUS BRAKES
MAX VOL STORED: 5 UNIT: [2] POUNDS FORM: [5] DUST / POWDER / ASH
HOW STORED: [20] BAG - PAPER, CLOTH, PLASTIC ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: 60
HOW DISPOS.: [51] TRANSFERRED TO AFFILIATED FACILITY
HAULER: [9998] UNREGISTERED HAULERS IN CALIF~~

Delete

11 WASTE ID: [2041.W] OIL AND WATER (T)
SPECIFIC WASTE: Clarifier sludge
LOCATION: OUTSIDE SOUTH SERVICE BAY-ENGINE STEAM CLEANER
MAX VOL STORED: 100 UNIT: [1] GALLONS FORM: [2] LIQUID
HOW STORED: [95] NOT STORED ONE-TIME-ONLY? No
ANNUAL VOL. GEN.: 100 ANNUAL VOL. DISPOS.: 100
HOW DISPOS.: [90] NOT YET DISPOSED OF
HAULER: [9994] NOT YET HAULED

INSPECTION DATE: 11/1/91

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172 ACCOUNT NO: 7227 UST PERMIT NO: 7227-1

WASTE ID: [2070.W] Oil Filters
SPECIFIC WASTE: used oil filters
LOCATION: In shop
MAX VOL STORED: 55 UNIT: [~~2~~] pounds FORM: [1] solid
HOW STORED: [1] 55-metal ONE-TIME-ONLY? No
ANNUAL VOL. GEN.: 55 ANNUAL VOL. DISPOS.: 55
HOW DISPOS.: [79] Recycled
HAULER: [9991] Bill of Lading

WASTE ID: []
SPECIFIC WASTE: _____
LOCATION: _____
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____
HOW DISPOS.: [] _____
HAULER: [] _____

WASTE ID: []
SPECIFIC WASTE: _____
LOCATION: _____
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____
HOW DISPOS.: [] _____
HAULER: [] _____

WASTE ID: []
SPECIFIC WASTE: _____
LOCATION: _____
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ONE-TIME-ONLY? _____
ANNUAL VOL. GEN.: _____ ANNUAL VOL. DISPOS.: _____
HOW DISPOS.: [] _____
HAULER: [] _____

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

UST PERMIT NO: 7227-1

VIOLATION DESCRIPTIONS

Waste Determination

___ 001 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE - SECTION 66471,CCR.

EPA Identification Number

___ 051 GENERATOR HAS NO EPA IDENTIFICATION NUMBER-SECTION 66472,CCR.

Manifests

___ 052 MANIFESTS NOT ACCURATELY COMPLETED-SECTION 66481(b),CCR.

___ 053 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE-SECTION 66480(a),CCR.

___ 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW DURING INSPECTION-SECTION 66492(a),CCR.

___ 055 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS-SECTION 66484(f),CCR.

___ 101 MANIFESTS,BIENNIAL REPORT,EXCEPTION REPORTS,TEST RESULTS NOT RETAINED ON SITE FOR AT LEAST 3 YEARS-SECTION 66492(a,b,c),CCR.

Non-Registered Hauler

___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY A NON-REGISTERED HAULER-SECTION 25163(a),HSC.

___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE-PERMITTED FACILITY-SECTION 66545(b),CCR.

Extremely Hazardous Waste

___ 251 EXTREMELY HAZARDOUS WASTE HANDLED OR DISPOSED WITHOUT A PERMIT-SECTION 66570(a,b),CCR.

___ 252 DEVIATION FROM DOHS-APPROVED HANDLING OR DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE-SECTION 66570(d),CCR.

Training

___ 301 PERSONNEL NOT TRAINED ON THE JOB OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT-SECTION 67105(b),CCR.

___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT-SECTION 67105(a)(2),CCR.

___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE-SECTION 67105(a)(3),CCR.

___ 304 COMPLETE PERSONNEL TRAINING RECORDS ARE NOT BEING MAINTAINED ON SITE-SECTION 67105(d)(3),CCR

Contingency Plan

___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR HAS NOT MAINTAINED THE PLAN AT THE SITE-SECTION 67140(a), 67142(a), CCR.

___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION-SECTION 67141, CCR.

___ 353 EMERGENCY COORDINATOR IS NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION & EMERGENCY PROCEDURES-SECTION 67144, CCR.

Emergency

___ 354 RELEASED WASTE OR CONTAMINATED EQUIPMENT IS NOT PROPERLY TREATED, STORED OR DISPOSED-SECTION 67145(g), CCR.

___ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT-SECTION 67145(j), CCR.

___ 356 STATE & LOCAL AUTHORITIES WERE NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY-SECTION 67145(i), CCR.

___ 401 APPROPRIATE FIREFIGHTING,SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE-SECTION 67121(c), CCR.

___ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY NOT CONDUCTED-SECTION 67122, CCR.

___ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE-SECTION 67123(a,b),67121(a,b), CCR.

___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT-SECTION 67124, CCR.

___ 405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE-SECTION 67126(a), CCR.

Labeling

___ 452 CONTAINERS NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION-SECTION 66508(a)(2), CCR.

___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED "HAZARDOUS WASTE" WITH REQUIRED DETAILS-SECTION 66508(a,c), CCR.

INSPECTION DATE: 11/1/91

PAGE 5 OF 8

Orange County Health Care Agency
HAZARDOUS WASTE INSPECTION REPORT

DBA: C U S D TRANSPORTATION CENTER
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA

FILE NO: 001172

ACCOUNT NO: 7227

UST PERMIT NO: 7227-1

Storage

- ___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS-SECTION 66508(a), CCR.
- ___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
- ___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- ___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS-SECTION 67241, CCR.
- ___ 502 CONTAINERS ARE COMPATIBLE WITH THE WASTE IN THEM-SECTION 67242, CCR.
- ___ 503 CONTAINERS ARE NOT STORED CLOSED-SECTION 67243(a), CCR.
- ___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS OR DEFECTS-SECTION 67244, CCR.
- ___ 505 IGNITABLE OR REACTIVE WASTES ARE NOT STORED 50 FT. FROM FACILITY PROPERTY LINE-SECTION 67246, CCR.
- ___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT OR MIXING-SECTION 67247(a), 67106, CCR.
- ___ 507 INCOMPATIBLES ARE NOT STORED OR PROTECTED IN SEPARATE CONTAINERS-SECTION 67247(c), CCR.
- ___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE-SECTION 67120, CCR.

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated

- Reviewed invoices from Aztec, Safety Kleen + Asbury which are kept on site as required.

- Containers are properly labeled + stored closed.

- Discussed proper storage of used oil filters.

- No violations observed this date.

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 8 ^{6 of 8} PAGE INSPECTION REPORT.

PRINT NAME & TITLE: _____

SIGNATURE: _____

DATE: 11/1/91

HAZARDOUS WASTE INSPECTION

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O.Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92715
Telephone: (714) 667 3700

001172

DBA: CUSD TRANSPORTATION

ADDRESS: 26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

PERMIT NUMBER: 7227-4

NEW _____ CHG. _____ DEL. BUS. _____ THIS INSPECTION DATE 7, 10, 90

CITY CODE: 40 EX CD: 2 STATUS: 1 INSPECT TYPE: 1 PROGRAM: HW, UST

BILLING: CAPISTRANO UNIFIED SCHOOL DISTRICT

ADDRESS: 32972 CALLE PERFECTO NO. EMPL: 13
SAN JUAN CAPISTRANO, CA 92675 UST (YES OR NO)

CO. OWNER: _____ TITLE: _____ PHONE: _____

CONTACT: ED ROONEY, ADOLPH OLIVAREZ TITLE: _____ PHONE: 714-496-1215

EMERGENCY CONTACT 1: ADOLPH OLIVAREZ PHONE: 714-496-1215

EMERGENCY CONTACT 2: ADOLPH OLIVAREZ PHONE: 714-496-1215

PROPERTY OWNER: (SEE "BILLING")

PROCESS: REPAIR & SERVICE OF SCHOOL BUSES + AUTOMOBILES.

EPA ID # CAL 000036918.

- SIC 1: 7538 Auto Repair
- 2: 4100 TRANSPORTATION
- 3: () _____
- 4: () _____

INSPECTOR # 222 SIGNATURE: [Signature] 7/10/90

RECEIVED BY: [Signature] DATE RECEIVED 7, 10, 1990

VA ENTERED JUL 23 1990

HAZARDOUS WASTE INSPECTOR

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

ASBESTOS
3 @ 55 gal
MUSTY?
UP HOUSTON CLEANER
OIL + WATER
NO CLAMPED!

3 @ 40 gal
SOLVENT
- SAFETY - KLEEN

DBA: CUST

ADDRESS: _____

PERMIT NUMBER: _____

WASTE ID: ^{7070.w} 2070 WASTE NAME: WASTE OIL TS () ²

MAX VOL STORED: ~~110~~ ²²⁰ UNIT: (1) gal FORM: (2) LIQUID

HOW STORED: (1) 55 gal METAL - PORTABLE ANNUAL VOL DISPOS: ~~1000~~ 1000

HOW DISPO: (79) AZTEC - OFFSITE

LOCATION: OUTSIDE STOP. FOUR PORTABLE 55 gal DRUMS.

HAULER: (122) AZTEC

WASTE ID: ^{2119.w} 2119 WASTE NAME: CARB CLEANER TS ()

MAX VOL STORED: 5 UNIT: (1) gal FORM: (2) LIQUID

HOW STORED: (2) 5 gal METAL ANNUAL VOL DISPOS: 5

HOW DISPO: (78) SAFETY - KLEEN

LOCATION: ~~AST~~ OUTSIDE SERVICE BAYS. ONE CAN.

HAULER: (1406) SAFETY - KLEEN

WASTE ID: ^{70.w} 2070 WASTE NAME: WASTE OIL TS ()

MAX VOL STORED: 250 UNIT: (1) gal FORM: (2) LIQUID

HOW STORED: (11) TANK - AST ANNUAL VOL DISPOS: 5000

HOW DISPO: (79) AZTEC

LOCATION: OUTSIDE SERVICE BAYS. ONE AST.

HAULER: (122) AZTEC

WASTE ID: ^{2084.w} 2084 WASTE NAME: WASTE ANTIFREEZE TS ()

MAX VOL STORED: ~~165~~ 165 UNIT: (1) gal FORM: (2) LIQUID

HOW STORED: (1) 55 gal METAL ANNUAL VOL DISPOS: 165

HOW DISPO: (79) ASBURY (NOT YET)

LOCATION: OUTSIDE STOP.

HAULER: (15) ASBURY ENV. (NOT YET)

INSPECTOR # 222 SIGNATURE: [Signature] 7/10/90

RECEIVED BY: [Signature] DATE RECEIVED 7/10/90

HAZARDOUS WASTE INSPECTIO

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

DBA: CUSD

ADDRESS:

PERMIT NUMBER:

WASTE ID: (2009.W) WASTE NAME: ASBESTOS WASTE TS ()
MAX VOL STORED: 5 UNIT: (2) POUNDS FORM: (5) DUST
HOW STORED: (20) BAG - PLASTIC ANNUAL VOL DISPOS: 60
HOW DISPO: (51) AFFILIATED FACILITY - DISTRICT OFFICE.
LOCATION: INSIDE MAIN SHOP. VACUUMS ASBESTOS FROM BUS BRAKES.
HAULER: (9998) UNREG. (SELF) HAULED TO DISTRICT OFFICE.

WASTE ID: (204.W) WASTE NAME: OIL + WATER TS ()
MAX VOL STORED: 100 UNIT: (1) gal FORM: (2) LIQUID
HOW STORED: (95) NOT STORED ANNUAL VOL DISPOS: 100
HOW DISPO: (90) NOT YET
LOCATION: OUTSIDE SOUTH SERVICE BAY. ENGINE STEAM CLEANER.
HAULER: 9994 NOT YET

WASTE ID: (2105.W) WASTE NAME: SOLVENT TS ()
MAX VOL STORED: 120 UNIT: (1) gal FORM: (2) LIQUID
HOW STORED: (13) PROCESS TANK ANNUAL VOL DISPOS: 600
HOW DISPO: (78) SAFETY-KLEEN
LOCATION: INSIDE BUS REPAIRING SERVICE BAYS.
HAULER: (1406) SAFETY-KLEEN

WASTE ID: () WASTE NAME: TS ()
MAX VOL STORED: UNIT: () FORM: ()
HOW STORED: () ANNUAL VOL DISPOS:
HOW DISPO: ()
LOCATION:
HAULER: ()

INSPECTOR # 220 SIGNATURE: [Signature] 7/11/98

RECEIVED BY: DATE RECEIVED / /

HAZARDOUS WASTE INSPECTION

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O.Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

DBA: CUSD TRANSPORTATION
ADDRESS: _____
PERMIT NUMBER: _____

VIOLATION DESCRIPTION

- ___ 506 Incompatibles are not managed to prevent contact/mixing
- ___ 507 Incompatibles are not stored/protected in separate containers
- ___ 551 Stored waste in tanks causes corrosion, leakage or premature failure
- ___ 552 Uncovered tanks do not have 2 ft. freeboard, dikes or other containment structures
- ___ 553 Continuous feed systems in tanks have no waste-feed cutoff
- ___ 554 Discharge control equipment, monitoring equipment, and waste level not checked daily for tanks
- ___ 555 Construction materials of tank/containment area are not checked weekly
- ___ 556 At site closure, hazardous waste, residue and contaminated equipment not properly disposed
- ___ 557 Ignitable/reactive waste in tanks not protected from material that would cause it to ignite/react
- ___ 558 Incompatibles are not stored/protected in separate tanks
- ___ 559 NFPA buffer zone for tanks not observed

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated:

054 - COPIES OF MANIFESTS FOR SAFETY-KLEEN AND ASBESTOS HAULING WERE NOT AVAILABLE FOR REVIEW DURING THIS INSPECTION. PLEASE OBTAIN COPIES OF MANIFESTS FOR ALL HAZARDOUS WASTE HAULING AND KEEP THEM ON SITE. YOU MUST KEEP 3 YEARS WORTH OF MANIFESTS ON SITE AT ALL TIMES.

453 - PLEASE LABEL ALL HAZARDOUS WASTE CONTAINERS WITH "HAZARDOUS WASTE", "NAME OF THE WASTE, NAME + ADDRESS OF THIS FACILITY."

354 - DUMPING ENGINE DEGREASING, OIL + GREASE (NEXT PAGE)

ELAPSED TIME IN MINUTES: _____
INSPECTOR # 220 SIGNATURE: RIA 7/10/20
RECEIVED BY: AG DATE RECEIVE 7/10/20

HAZARDOUS WASTE INSPECTIO

Orange County Health Care Agency
Environmental Health Division
Mailing Address: P.O. Bos 355, Santa Ana, CA 92702
Office: 2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

DBA: CUSD TRANSPORTATION
ADDRESS: _____
PERMIT NUMBER: _____

VIOLATION DESCRIPTION

- 001 Hazardous waste determination not made for all waste
- 051 Generator has no EPA I.D. number
- 052 Manifests not accurately completed
- 053 Manifests not used for transporting hazardous waste
- 054 Copies of manifest not available for review ← SAFETY - KLEEN + ASBESTOS WASTE
- 055 Properly completed copies of manifest or exception report not submitted to DOHS
- 101 Manifest, Biennial Report, Exception Reports, and test results not retained at least 3 years
- 102 Biennial Report to State not submitted
- 151 Written notification not made to EPA Administrator for waste exportation
- 152 Signature of foreign consignee not obtained re: delivery
- 153 Manifest requirements not met for hazardous waste exportation/importation
- 201 Hazardous waste transported off site by non-registered hauler
- 202 Hazardous waste not taken to a State permitted facility
- 251 Extremely hazardous waste handled/disposed of without permit
- 252 Deviation from DOHS approved handling/disposal methods made for extremely hazardous waste
- 301 Personnel not trained OTJ or in classroom within 6 months of employment
- 302 Training not conducted by person trained in hazardous waste management
- 303 Training does not include emergency response procedures and emergency equipment use
- 304 No personnel training records maintained including titles, job description, dates, type of training
- 351 Generator has not prepared contingency plan or maintained at site
- 352 Contingency plan does not include all required information
- 353 Emergency coordinator not familiar with all aspects of site operation/emergency procedures
- 354 Released waste/contaminated equipment not properly treated, stored, disposed of ←
- 355 Report not submitted to state within 15 days of emergency incident
- 356 State and local agencies not notified before resuming operation after an emergency
- 401 Appropriate firefighting, spill control, and decontamination equipment not available
- 402 Adequate testing/maintenance for emergency equipment not conducted
- 403 Appropriate communications/alarm systems not available
- 404 Adequate aisle space not available for unobstructed movement
- 405 Arrangements with appropriate local authorities for emergency response have not been made
- 451 Hazardous waste stored more than 90 days
- 452 Containers not visibly marked with the beginning date of accumulation
- 453 Each container and tank not clearly labeled hazardous waste with required details ←
- 454 Waste is not packaged, labeled, and placarded according to 49 CFR (DOT)
- 455 Each container of 110 gallons or less is not properly labeled
- 501 Containers are not in good condition or are not managed to prevent leaks
- 502 Containers are not compatible with waste in them
- 503 Containers are not stored closed
- 504 Containers are not inspected weekly for leaks/defects
- 505 Ignitable/reactive wastes are not stored 50 ft. from facility property line

INSPECTOR # 270 SIGNATURE: RA

RECEIVED BY: AD DATE RECEIVED 7/10/90

HW

COMPUTER NUMBER: _____

HEALTH INSPECTION REPORT (continued)
Orange County Health Care Agency / Public Health
Environmental Health

Page ____ of ____

Mailing Address: P.O. Box 355
Santa Ana, CA 92702

DBA CUSD TRANSF. ADDRESS _____ CITY _____

ITEM NO.

~~ARE~~ ^{ARE} RELEASED TO THE GROUND. HOWEVER, THERE IS PRESENTLY NO CLAMIFIER ~~#~~ OR FLOOR TRAP TO CAPTURE AND SEPARATE THE OIL + GREASE FROM THE WATER. SINCE OIL + GREASE IS CONSIDERED "HAZARDOUS", THE DEGREASING ~~ARE~~ MUST CEASE UNTIL AN ADEQUATE APPARATUS IS INSTALLED WHICH CAN CAPTURE THE OIL + GREASE. WASTE OIL + GREASE CAPTURED FROM DEGREASING MUST BE HAULED OFF AND DISPOSED OF BY A REGISTERED HAZARDOUS WASTE HAULER. WHEN HAULED, YOU WILL BE GIVEN A MANIFEST WHICH MUST BE KEPT ON SITE FOR 3 YEARS.

#222 R. L. Ch 7/6/90 RECEIVED BY AO DATE 7-10-90
 SANITARIAN
 FO272-9.373.4

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8174
1729 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION

RUN DATE: 05 SEP 1989

C.U.S.D. CENTER

DBA: TRANSPORTATION STRIPIS USD

INSPECTION DATE: 9 27 - 89

ADDRESS: 26126 VICTORIA BL

DISTRICT: 19

: CAPISTRANO BEACH, CA 92624

MAP COORDINATE: 38-B5

ACCOUNT NO: 7227-3

LAST INSP DATE: 07/05/88

CITY CODE: 40 NUMBER EMPS: 12 FEE CODE: M STATUS: 1 EX CODE: 2 ST.VAR:

PUB AGCY: COMPLIANCE: PROGRAM: HW,UST

Tanks

BILLING DBA: CAPISTRANO UNIFIED SCHOOL DIST
BILLING ADDRESS: 32972 CALLE PERFECTO
:
: SAN JUAN CAPISTRANO, CA 92675

! UST (#, SIZE, CONTENTS) !
! *#* 1, 10K, UNCL ! 1, 550, DIESEL
! 1, 5000, DIESEL ! 1, 550, WASTE OIL

ED ROONEY

CONTACT: ADOLPH OLIVAREZ (MAINT ENG)

PHONE: 714-496-1215 / 714-364-5328
PHONE: 714-555-1212 496-1215

EMERGENCY CONTACT 1: *JOHN GRNA*

PHONE: 714-496-1215

EMERGENCY CONTACT 2: ADOLPH OLIVAREZ

PHONE: 714-496-3284

PROPERTY OWNER: CAPISTRANO UNIFIED SCHOOL DISTRICT
: 32972 CALLE PERFECTO
: SAN JUAN CAPISTRANO, CA 92675

PROCESS: VEHICLE MAINTENANCE, BUSES, *2* WASTE OIL, STODDARD SOLVENT

EPA # CAD 981968951.

SIC CODE 1: *7538* [7500] AUTO REPAIR, SERVICES, GARAGES
SIC CODE 2: [7500] AUTO REPAIR, SERVICES, GARAGES

INSP TYPE *1*

OUTSTANDING VIOLATIONS:

DATE EMP# TYPE VIO CODE

DESCRIPTION

ABATED

11-30-87 191 1 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW

YES-

INSPECTOR # *222*

SIGNATURE *ROBERT COLA*

DATE *9,27,89*

RECEIVED BY: *[Signature]*

DATE *9,27,89*

ELAPSED TIME: *85* (MIN) PART 1 PAGE 1

11/1/89

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8174
1729 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION

RUN DATE: 05 SEP 1989

DBA: TRANSPORTATION CTR/CAPIS USD
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA 92624

ACCOUNT NO: 7227-3 LAST INSP DATE: 07/05/88

004 WASTE ID: [2070,W] ==WASTE (OR SLOP) OIL (T) T/S [] ✓

MAX VOL STORED: 550 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [10] TANK - UNDERGROUND ANNUAL VOL. DISPOS.: 2000

HOW DISPOS.: [79] RECYCLED OFF-SITE - OTHER-INSIDE CA

LOCATION: OUTSIDE SHOP

HAULER: [1289] CALIF. WASTE OIL CO.

5 WASTE ID: [2105,W] PETROLEUM DISTALLANT SOLVENT / STOD T/S [] ✓

MAX VOL STORED: 90 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [13] ~~333 STORED IN MACHINE~~ ^{PROCESS TANK} ANNUAL VOL. DISPOS.: 1000

HOW DISPOS.: [70] ~~79~~ RECYCLED OFF-SITE - ~~OTHER-INSIDE CA~~ SAFETY KLEEN

LOCATION: INSIDE SERVICE BAY. ~~3 TANKS~~. 3-30 gal TANKS.

HAULER: [1406] SAFETY-KLEEN #S

6 WASTE ID: [2119,W] CARBURETOR CLEANER T/S [] ✓

MAX VOL STORED: 5 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [2] DRUM < 55G-METAL ANNUAL VOL. DISPOS.: 10

HOW DISPOS.: [78] RECYCLED OFF-SITE - SAFETY KLEEN

LOCATION: IN SHOP, ONE CAN.

HAULER: [1406] SAFETY-KLEEN #S

INSPECTOR # 222 SIGNATURE ROBERT L. Allen DATE 9/27/89

RECEIVED BY: [Signature] DATE 9/27/89

COUNTY OF ORANGE / HEALTH CARE AGENCY

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SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION

RUN DATE: 05 SEP 1989

DBA: TRANSPORTATION CTR/CAPIS USD
ADDRESS: 26126 VICTORIA BL
: CAPISTRANO BEACH, CA 92624

ACCOUNT NO: 7227-3

LAST INSP DATE: 07/05/88

VIOLATION DESCRIPTIONS

- ___ 991 HAZARDOUS WASTE DETERMINATION NOT MADE FOR ALL WASTE
- ___ 951 GENERATOR HAS NO EPA I.D. NUMBER ✓
- ___ 952 MANIFESTS NOT ACCURATELY COMPLETED
- ___ 953 MANIFESTS NOT USED FOR TRANSPORTING HAZARDOUS WASTE
- ___ 954 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW
- ___ 955 PROPERLY COMPLETED COPIES OF MANIFEST OR EXCEPTION REPORT NOT SUBMITTED TO DOHS
- ✓ 101 MANIFEST, BIENNIAL REPORT, EXCEPTION REPORTS, AND TEST RESULTS NOT RETAINED AT LEAST 3 YEARS
- ___ 102 BIENNIAL REPORT TO STATE NOT SUBMITTED
- ___ 151 WRITTEN NOTIFICATION NOT MADE TO EPA ADMINISTRATOR FOR WASTE EXPORTATION ON SITE
- ___ 152 SIGNATURE OF FOREIGN CONSIGNEE NOT OBTAINED RE: DELIVERY
- ___ 153 MANIFEST REQUIREMENTS NOT MET FOR HAZARDOUS WASTE EXPORTATION/IMPORTATION
- ___ 201 HAZARDOUS WASTE TRANSPORTED OFF SITE BY NON-REGISTERED HAULER
- ___ 202 HAZARDOUS WASTE NOT TAKEN TO A STATE PERMITTED FACILITY
- ___ 251 EXTREMELY HAZARDOUS WASTE HANDLED/DISPOSED OF WITHOUT A PERMIT
- ___ 252 DEVIATION FROM DOHS APPROVED HANDLING/DISPOSAL METHODS MADE FOR EXTREMELY HAZARDOUS WASTE
- ___ 301 PERSONNEL NOT TRAINED OJT OR IN CLASSROOM WITHIN 6 MONTHS OF EMPLOYMENT
- ___ 302 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT
- ___ 303 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
- ___ 304 NO PERSONNEL TRAINING RECORDS MAINTAINED INCLUDING TITLES, JOB DESCRIPTION, DATES, TYPE OF TRAINING
- ___ 351 GENERATOR HAS NOT PREPARED CONTINGENCY PLAN OR MAINTAINED AT SITE
- ___ 352 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
- ___ 353 EMERGENCY COORDINATOR NOT FAMILIAR WITH ALL ASPECTS OF SITE OPERATION/EMERGENCY PROCEDURES
- ___ 354 RELEASED WASTE/CONTAMINATED EQUIPMENT NOT PROPERLY TREATED, STORED, DISPOSED OF
- ___ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
- ___ 356 STATE AND LOCAL AGENCIES NOT NOTIFIED BEFORE RESUMING OPERATION AFTER AN EMERGENCY
- ___ 401 APPROPRIATE FIREFIGHTING SPILL CONTROL, AND DECONTAMINATION EQUIPMENT NOT AVAILABLE
- ___ 402 ADEQUATE TESTING/MAINTENANCE FOR EMERGENCY EQUIPMENT NOT CONDUCTED
- ___ 403 APPROPRIATE COMMUNICATIONS/ALARM SYSTEMS NOT AVAILABLE
- ___ 404 ADEQUATE AISLE SPACE NOT AVAILABLE FOR UNOBSTRUCTED MOVEMENT
- ___ 405 ARRANGEMENTS WITH APPROPRIATE LOCAL AUTHORITIES FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE
- ___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
- ___ 452 CONTAINER NOT VISIBLY MARKED WITH THE BEGINNING DATE OF ACCUMULATION
- ___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED HAZARDOUS WASTE WITH REQUIRED DETAILS
- ___ 454 WASTE IS NOT PACKAGED, LABELED, AND PLACARDED ACCORDING TO 49 (DOT)
- ___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- ___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
- ___ 502 CONTAINERS ARE NOT COMPATIBLE WITH WASTE IN THEM
- ___ 503 CONTAINERS ARE NOT STORED CLOSED

INSPECTOR # 222 SIGNATURE ROBERT L. OR DATE 9/27/89
 RECEIVED BY: [Signature] DATE 9/27/89

RECEIVED BY

DATE

INSPECTION #

SIGNATURE

DATE

- 201 CONTAINERS ARE NOT SHOWN CLOSED
- 202 CONTAINERS ARE NOT COMBUSTIBLE WITH ANGLE IN THEM
- 203 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MARKED TO FREQUENT TERMS
- 204 EACH CONTAINER OF 110 CAPTIONS OR LESS IS NOT PROPERLY LABELED
- 205 LABEL IS NOT ENLARGED, LABELED AND PROTECTED ACCORDING TO 49 CFR (DOT)
- 206 EACH CONTAINER AND TANK NOT PROPERLY LABELED HAZARDOUS LABEL WITH REQUIRED DETAILS
- 207 CONTAINERS NOT PROPERLY MARKED WITH THE RESTRICTING DATE OF RECOMMISSION
- 208 HAZARDOUS LABEL SHOWN MORE THAN 60 DAYS
- 209 RECOMMISSIONING WITH PROHIBITIVE LOCKS UNAVAILABLE FOR EMERGENCY RESPONSE HAVE NOT BEEN MADE
- 210 HAZARDOUS LABEL SHOWN FOR UNLABLED FOR UNOCCUPIED MOMENTUM
- 211 PROHIBITIVE COMMISSIONING/RECOMMISSIONING LABELS NOT SHOWN DATE
- 212 HAZARDOUS LABELING/RECOMMISSIONING FOR EMERGENCY EQUIPMENT NOT CONDUCTED
- 213 PROHIBITIVE LABELING/RECOMMISSIONING WITH CORRECT AND RECOMMISSIONING EQUIPMENT NOT AVAILABLE
- 214 LABEL AND LOCKS UNAVAILABLE NOT INSTALLED BEFORE READING OPERATION LABEL ON EMERGENCY
- 215 LABELS NOT SHOWN TO STAY WITHIN 12 DAYS OF EMERGENCY INCIDENT
- 216 RELEASING HAZARDOUS EQUIPMENT NOT PROPERLY INVENTED, SHOWN, DISCLOSED OR
- 217 EMERGENCY COORDINATION NOT AVAILABLE WITH ALL SPECIALS OF THE OPERATION/EMERGENCY PROCEDURES
- 218 CONTINGENCY PLAN DOES NOT INCLUDE ALL REQUIRED INFORMATION
- 219 CONTINGENCY PLAN NOT EMERGENCY CONTINGENCY PLAN OR MAINTAINED BY SITE
- 220 NO PERSONNEL TRAINING RECORDS MAINTAINED INCLUDING DATES, FOR DESCRIPTION, DATES, TYPE OF TRAINING
- 221 TRAINING DOES NOT INCLUDE EMERGENCY RESPONSE PROCEDURES AND EMERGENCY EQUIPMENT USE
- 222 TRAINING NOT CONDUCTED BY PERSON TRAINED IN HAZARDOUS LABEL MANAGEMENT
- 223 PERSONNEL NOT TRAINED OUT OF IN CLASSROOM WITHIN 7 MONTHS OF EMPLOYMENT
- 224 REVISIONS FROM DONS APPROVED FROM INDIVIDUALS WHOSE WARE FOR ELEMENTS HAZARDOUS LABEL
- 225 EXISTING HAZARDOUS LABEL HANDLED/DISPOSED OR AT HOME & BEHIND
- 226 HAZARDOUS LABEL NOT TAKEN TO A STATE PERMITTED FACILITY
- 227 HAZARDOUS LABEL DISPOSED OR SITE BY NON-REGULATED EMPLOYER
- 228 HAZARDOUS LABELING/RECOMMISSIONING NOT FOR HAZARDOUS LABEL EXHIBITION/INSPECTION
- 229 SIGNATURE OF EMISSION COMPLIANCE NOT OBTAINED BY OPERATOR
- 230 WRITTEN NOTIFICATION NOT MADE TO EPA ADMINISTRATION FOR LABEL EXHIBITION
- 231 WRITTEN RECORD TO STATE NOT OBTAINED
- 232 WRITTEN RECORD, EXEMPTION RECORDS AND TEST RESULTS NOT OBTAINED BY LABEL 1 LABEL
- 233 PROPERLY COMPLETED COPIES OF WRITTEN OR EXEMPTION RECORDS NOT OBTAINED TO DONS
- 234 COPIES OF WRITTEN OR EXEMPTION RECORDS NOT OBTAINED FOR REVIEW
- 235 WRITTEN RECORDS NOT USED FOR HAZARDOUS LABEL MANAGEMENT
- 236 WRITTEN RECORDS NOT PROPERLY COMPLETED
- 237 SERIALS ARE NOT FOR I.D. NUMBER
- 238 HAZARDOUS LABEL IDENTIFICATION NOT MADE FOR ALL LABELS

LOCATION DESCRIPTION

ACCOUNT NO: 1333-2

ISSUE DATE: 01/02/88

ADDRESS: 3815 ATLANTA ST
 ADDRESS: 3815 ATLANTA ST
 ADDRESS: 3815 ATLANTA ST

HAZARDOUS LABEL INSPECTION

ISSUE DATE: 02 SEP 1988

3815 ATLANTA ST
 3815 ATLANTA ST, BOX 322
 ATLANTA, GA 30303

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8174
1729 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA, 92702

HAZARDOUS WASTE INSPECTION

RUN DATE: 05 SEP 1989

DBA: TRANSPORTATION CTR/CAPIS USD
ADDRESS: 26126 VICTORIA BL
; CAPISTRANO BEACH, CA 92624

ACCOUNT NO: 7227-3

LAST INSP DATE: 07/05/88

VIOLATION DESCRIPTIONS

- ___ 594 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS/DEFECTS
- ___ 595 IGNITABLE/REACTIVE WASTES ARE NOT STORED 50 FT FROM FACILITY PROPERTY LINE
- ___ 596 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT/MIXING
- ___ 597 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE CONTAINERS
- ___ 551 STORED WASTE IN TANKS CAUSES CORROSION, LEAKAGE OR PREMATURE FAILURE
- ___ 552 UNCOVERED TANKS DO NOT HAVE 2 FT FREEDBOARD, DIKES OR OTHER CONTAINMENT STRUCTURES
- ___ 553 CONTINUOUS FEED SYSTEMS IN TANKS HAVE NO WASTE-FEED CUTOFF
- ___ 554 DISCHARGE CONTROL EQUIPMENT, MONITORING EQUIPMENT, AND WASTE LEVEL NOT CHECKED DAILY FOR TANKS
- ___ 555 CONSTRUCTION MATERIALS OF TANK/CONTAINMENT AREA ARE NOT CHECKED WEEKLY
- ___ 556 AT SITE CLOSURE, HAZARDOUS WASTE, RESIDUE AND CONTAMINATED EQUIPMENT NOT PROPERLY DISPOSED
- ___ 557 IGNITABLE/REACTIVE WASTE IN TANKS NOT PROTECTED FROM MATERIAL THAT WOULD CAUSE IT TO IGNITE/REACT
- ___ 558 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE TANKS
- ___ 559 NFPA BUFFER ZONE FOR TANKS NOT OBSERVED
- ___ 799 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE (CONTAINMENT)

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated

101 MANIFESTS NOT RETAINED ON SITE FOR
~~2~~ 3 YEARS.

MANIFESTS WERE AVAILABLE FOR WASTE OIL
(5-30-89 to 9-11-89), SOLVENT (8-21-89), AND
CARB. CLEANER (8-21-89). HOWEVER, THESE
MANIFESTS (RECEIPTS) MUST BE KEPT ON SITE
FOR 3 YEARS. PLEASE RETAIN THESE
RECORDS AS WE DISCUSSED.

BOB ALLEN 834-8049

INSPECTOR # 222 SIGNATURE ROBERT ALLEN DATE 9/27/89

RECEIVED BY: [Signature] DATE 9/27/89

1. Scope

This standard defines physical and chemical properties with dimensional tolerance limits for determining acceptance or rejection of heavy duty brake drum iron castings.

2. Physical Properties

1. Hardness, brinell hardness, take on the back plate with 3000kg load on 10mm tungsten carbide ball. Statistical variance is expected and allowable within stated limits:

CUSD TRANSPORTATION

CAPISTRANO

BEACH

	$\pm 2 \sigma$	$\pm 3 \sigma$
Hardness - BID	4.20 - 3.90	4.40 - 3.80
Hardness - BHN	207 - 241	187 - 255

2. The tensile strength shall be determined from a separately cast test bar made from the same iron as the casting they represent according to ASTM A48 (latest revision).

Typical tensile strength - 35,000 lbs/in². Statistical variance is expected and allowable within stated limits:

	$- 2 \sigma$	$- 3 \sigma$
Minimum tensile strength	33,000 lbs/in ²	30,000 lbs/in ²

3. Tensile test bars shall be tested from each production lot and results made available to Webb on a regular basis. Test bars shall be sent to Webb for verification and analysis monthly.

4. Microstructure shall consist of flake graphite, type A size 3-5, evaluated using ASTM A-247 (latest revision). Matrix shall consist of lamellar pearlite, free carbide if present not to exceed 5% and free ferrite if present not to exceed 1%.

3. Chemical Properties

Chemical Properties are subordinate to machinical properties.

Carbon Equivalent	3.90 - 4.30
Total Carbon	3.40 - 3.70
Silicon	1.50 - 2.10
Manganese	0.50 - 0.90
Phosphorus	0.15 Max.
Sulphur	0.12 Max.
Chromium	0.40 Max.

$$CE = \text{Total Carbon} + \frac{Si}{3} + \frac{P}{3}$$

APPROVED BY	DATE	CHG. NO.	NO.	CHANGES	DATE	CK.

Chemical analysis shall be furnished on each production lot.

4. Workmanship and Finish

Castings shall be sound and free from cracks, laps, cold shuts, shrinkage, porosity, hard spots and non metallic inclusions that will be detrimental to the machinability, appearance or performance.

Small non detrimental defects on non machined surfaces will be allowed if appearance is acceptable.

Small surface defects in machined backplate are acceptable if not near highly stressed areas such as near bolt holes or at the pilot. These defects must be less than .12 diameter and less than .06 deep and no more than three defects per casting.

Small surface defects in the machined brake surface are acceptable if less than .12 diameter and less than .06 deep and no more than three defects per casting.

All gates and fins shall be ground flush within .12 height and .08 maximum thickness.

All castings when palletized shall be segregated by part number and pattern number for uniformity and machinability.

5. Casting Dimensional Tolerances

Unless specified otherwise, rough casting tolerances shall be:

0 to 3 in	+ .030
3 to 6 in	\pm .045
6 to 12 in	\pm .060
Over 12 in	\pm .090

Dimensions affected by parting line are allowed and additional tolerance of + .010.

Casting wall variation at any section due to shift or swell shall not exceed .100.

6. Changes in Process

Any changes in pattern, gates, risers or foundry practice, must receive prior Engineering approval, and if deemed applicable, new samples must be approved prior to any production.

Paul Levering

APPROVED BY	DATE	CHG. NO.	NO.	CHANGES	DATE	CK.
				C Revised & Rewritten	8-15-80	
				B Min. Tensile Removed	8-21-79	
				A First Issue	7-6-79	

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

1729 WEST 17TH STREET, P.O. BOX 355

SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION

RUN DATE: 29 JUN 1988

DBA: TRANSPORTATION CTR/CAPIS USD

INSPECTION DATE: 7-5-88

ADDRESS: 26126 VICTORIA BL

DISTRICT: 15

: CAPISTRANO BEACH, CA 92624

MAP COORDINATE: 38-B5

ACCOUNT NO: 7227-2

LAST INSP DATE: 11/30/87

CITY CODE: 40 NUMBER EMPs: 15¹² FEE CODE: M STATUS: 1 EX CODE: 2 ST.VAR:

PUB AGCY: COMPLIANCE: PROGRAM: HW,UST

BILLING DBA: CAPISTRANO UNIFIED SCHOOL DIST

BILLING ADDRESS: 32972 CALLE PERFECTO

: S J CAPISTRANO, CA 92675

UST (#, SIZE, CONTENTS)

1 550 gal Waste oil

2 550 Diesel

3 5000 Diesel

4 10,000 Gas UL

CO. OWNER:

PHONE: ~~7144961215~~ 7143645628

496-1215 x 368

CONTACT: ADOLPH OLIVAREZ (MAINT ENG)

PHONE: - - - - -

EMERGENCY CONTACT 1: ED ROONEY

PHONE: 714-496-1215

EMERGENCY CONTACT 2: ADOLPH OLIVAREZ

PHONE: 714-496-3284

PROPERTY OWNER: CAPISTRANO UNIFIED SCHOOL DIST ED ROONEY

: 32972 CALLE PERFECTO

: S J CAPISTRANO, CA 92675

PROCESS: VEHICLE MAINTENANCE, BUSES, VANS WASTE OIL, STODDARD SOLVENT

SIC CODE 1: [7500] AUTO REPAIR, SERVICES, GARAGES

SIC CODE 2: [7500] AUTO REPAIR, SERVICES, GARAGES

INSP TYPE 1

OUTSTANDING VIOLATIONS:

DATE EMP# TYPE VIO CODE

DESCRIPTION

ABATED

11-30-87 148 1 054 COPIES OF MANIFESTS NOT AVAILABLE FOR REVIEW

NO

INSPECTOR #

191

SIGNATURE

J. Will

DATE

7,5,88

RECEIVED BY:

Paul McDall

DATE

7,5,88

ELAPSED TIME:

75

(MIN)

PART 1 PAGE 1

8/2/88

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

1729 WEST 17TH STREET, P.O. BOX 355

SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION

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ADDRESS: 26126 VICTORIA BL

: CAPISTRANO BEACH, CA 92624

ACCOUNT NO: 7227-2

LAST INSP DATE: 11/30/87

004 WASTE ID: [2070.W] == WASTE (OR SLOP) OIL (T) T/S []

MAX VOL STORED: 550 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [10] TANK - UNDERGROUND ANNUAL VOL. DISPOS.: ~~400~~ 2000

HOW DISPOS.: [79] *RECYCLED OFF SITE

LOCATION: OUTSIDE SHOP

HAULER: [1289] CALIF. WASTE OIL CO.

5 WASTE ID: [2105.W] PETROLEUM DISTALLANT SOLVENT / STOD T/S []

MAX VOL STORED: 90 UNIT: [1] GALLONS FORM: [2] LIQUID

HOW STORED: [33] STORED IN MACHINE ANNUAL VOL. DISPOS.: 1080

HOW DISPOS.: [78] *RECYCLED OFF SITE

LOCATION: INSIDE SERVICE BAY

HAULER: [1406] SAFETY-KLEEN *S

WASTE ID: [219W] Carb Cleaner T/S []

MAX VOL STORED: 5 UNIT: [1] gal FORM: [2] liquid

HOW STORED: [2] in Drum ANNUAL VOL. DISPOS.: 10

HOW DISPOS.: [78] Recycled off site

LOCATION: in Shop

HAULER: [1406] Safety Kleen

INSPECTOR # 191 SIGNATURE J. Will DATE 7/5/88

RECEIVED BY: [Signature] DATE 7/5/85

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

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SANTA ANA, CA. 92702

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- ___ 354 RELEASED WASTE/CONTAMINATED EQUIPMENT NOT PROPERLY TREATED, STORED, DISPOSED OF
- ___ 355 REPORT NOT SUBMITTED TO STATE WITHIN 15 DAYS OF EMERGENCY INCIDENT
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- ___ 451 HAZARDOUS WASTE STORED MORE THAN 90 DAYS
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- ___ 453 EACH CONTAINER AND TANK NOT CLEARLY LABELED HAZARDOUS WASTE WITH REQUIRED DETAILS
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- ___ 455 EACH CONTAINER OF 110 GALLONS OR LESS IS NOT PROPERLY LABELED
- ___ 501 CONTAINERS ARE NOT IN GOOD CONDITION OR ARE NOT MANAGED TO PREVENT LEAKS
- ___ 502 CONTAINERS ARE NOT COMPATIBLE WITH WASTE IN THEM
- ___ 503 CONTAINERS ARE NOT STORED CLOSED

INSPECTOR #

191

SIGNATURE

D. Wild

DATE

7,5,88

RECEIVED BY:

Scott M. Drake

DATE

7,5,88

COUNTY OF ORANGE / HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH (714) 834-8175

1729 WEST 17TH STREET, P.O. BOX 355

SANTA ANA, CA. 92702

HAZARDOUS WASTE INSPECTION

RUN DATE: 29 JUN 1988

DBA: TRANSPORTATION CTR/CAPIS USD

ADDRESS: 26126 VICTORIA BL

: CAPISTRANO BEACH, CA 92624

ACCOUNT NO: 7227-2

LAST INSP DATE: 11/30/87

VIOLATION DESCRIPTIONS

- ___ 504 CONTAINERS ARE NOT INSPECTED WEEKLY FOR LEAKS/DEFECTS
- ___ 505 IGNITABLE/REACTIVE WASTES ARE NOT STORED 50 FT FROM FACILITY PROPERTY LINE
- ___ 506 INCOMPATIBLES ARE NOT MANAGED TO PREVENT CONTACT/MIXING
- ___ 507 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE CONTAINERS
- ___ 551 STORED WASTE IN TANKS CAUSES CORROSION, LEAKAGE OR PREMATURE FAILURE
- ___ 552 UNCOVERED TANKS DO NOT HAVE 2 FT FREEBOARD, DIKES OR OTHER CONTAINMENT STRUCTURES
- ___ 553 CONTINUOUS FEED SYSTEMS IN TANKS HAVE NO WASTE-FEED CUTOFF
- ___ 554 DISCHARGE CONTROL EQUIPMENT, MONITORING EQUIPMENT, AND WASTE LEVEL NOT CHECKED DAILY FOR TANKS
- ___ 555 CONSTRUCTION MATERIALS OF TANK/CONTAINMENT AREA ARE NOT CHECKED WEEKLY
- ___ 556 AT SITE CLOSURE, HAZARDOUS WASTE, RESIDUE AND CONTAMINATED EQUIPMENT NOT PROPERLY DISPOSED
- ___ 557 IGNITABLE/REACTIVE WASTE IN TANKS NOT PROTECTED FROM MATERIAL THAT WOULD CAUSE IT TO IGNITE/REACT
- ___ 558 INCOMPATIBLES ARE NOT STORED/PROTECTED IN SEPARATE TANKS
- ___ 559 NFPA BUFFER ZONE FOR TANKS NOT OBSERVED
- ___ 700 FACILITY NOT MAINTAINED TO MINIMIZE FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE (CONTAINMENT)

The above noted items represent violations of the California Health and Safety Code, Chapter 6.5, and shall be corrected as indicated

054 - Need to keep Safety Klean & Cal Waste Oil Receipts
on site for 3 years

Reviewed Cal Waste oil Receipts OK.

UST Inspection performed

INSPECTOR #

191

SIGNATURE

S. Wall

DATE

7/5/88

RECEIVED BY:

Scott McDonald

DATE

7/5/88

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 834-6155
1725 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA 92702

HAZARDOUS WASTE INSPECTION

*Transportation Dept /
Capistrano ASD*

DBA: CAPISTRANO UNIFIED School District INSPECTION DATE: 11.30.187
ADDRESS: 26126 Victoria Blvd MAP COORDINATES: 38B5
CAPISTRANO BEACH, CA 92624 DISTRICT: _____

ACCOUNT NUMBER: 7837-1 PERMIT NUMBER: _____
CITY CODE: 40 NUMBER EMPs: 15 FEE CODE: _____ STATUS: _____ EX CODE: 2
INSP TYPE: 1 PUBLIC AGENCY: _____ COMPLIANCE: _____ PROGRAM: 3/1/1

BILLING DBA: Same

BILLING ADDRESS: _____

UST (#, SIZE, CONTENTS)
WASTE OIL
GAS
DIESEL

CO. OWNER: _____ PHONE: () _____

CONTACT: ADOLPH OLIVARES (MAINT. COORDINATOR) PHONE: 714 496-1215 (EXT 367)

EMERGENCY CONTACT 2: ADOLPH OLIVARES PHONE: 714 496-3284

EMERGENCY CONTACT 1: AFTER HOURS EMERG. PHONE PHONE: 714 493-2748

PROPERTY OWNER: CAPISTRANO UNIFIED SCHOOL DISTRICT

PROCESS: VEHICLE MAINTENANCE, BUSES, VANS WASTE OIL
STANDARD SOLVENT

SIC CODE 1: [7500] Automotive Repair Services Garage.

SIC CODE 2: [] _____

INSPECTOR #: 148 SIGNATURE: [Signature]

RECEIVED BY: Adolph Olivares DATE RECEIVED: 11.30.187

ELAPSED TIME: 10 (MIN)

1-5-88

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 834-8175
1725 West 17th Street, P.O. Box 355
Santa Ana, CA 92702

HAZARDOUS WASTE INSPECTION

DBA: CAPISTRANO UNIFIED SCHOOL DISTRICT
ADDRESS: 26126 VICTORIA BLVD.
CAPISTRANO BEACH, CA 92624

PERMIT NUMBER: _____

004

WASTE ID: 2070] WASTE NAME: WASTE OIL TS []
MAX VOL STORED: 550 UNIT: [1] GAL FORM: [2] LIQ
HOW STORED: [10] UST ANNUAL VOL DISPOS: 600
HOW DISPO: [2] RECYCLED OFF SITE
LOCATION: OUTSIDE SHOP
HAULER: [1289] CALIF. WASTE OIL MGMT

WASTE ID: 2105] WASTE NAME: STODDARD SOLVENT TS []
MAX VOL STORED: 90 UNIT: [1] GAL FORM: [2] LIQUID
HOW STORED: [33] MACHINE ANNUAL VOL DISPOS: 1080
HOW DISPO: [2] RECYCLED OFF SITE
LOCATION: INSIDE SERVICE BAY
HAULER: [1406] SAFETY KLEEN

WASTE ID: [] WASTE NAME: _____ TS []
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ANNUAL VOL DISPOS: _____
HOW DISPO: [] _____
LOCATION: _____
HAULER: [] _____

WASTE ID: [] WASTE NAME: _____ TS []
MAX VOL STORED: _____ UNIT: [] _____ FORM: [] _____
HOW STORED: [] _____ ANNUAL VOL DISPOS: _____
HOW DISPO: [] _____
LOCATION: _____
HAULER: [] _____

INSPECTOR # 148 SIGNATURE: Dale Baker

RECEIVED BY: Adapt Alvaris DATE RECEIVED 11/30/87

HAZARDOUS WASTE INSPECTION

DBA: CADISTRANO UNIFIED School District

ADDRESS: _____

ACCOUNT NUMBER: _____ PERMIT NUMBER: _____

VIOLATION DESCRIPTION

- 001 Hazardous waste determination not made for all waste
- 051 Generator has no EPA I.D. number
- 052 Manifests not accurately completed
- 053 Manifests not used for transporting hazardous waste
- 054 Copies of manifest not available for review
- 055 Properly completed copies of manifest or exception report not submitted to DOHS
- 101 Manifest, Biennial Report, Exception Reports, and test results not retained at least 3 years
- 102 Biennial Report to State not submitted
- 151 Written notification not made to EPA Administrator for waste exportation
- 152 Signature of foreign consignee not obtained re: delivery
- 153 Manifest requirements not met for hazardous waste exportation/importation
- 201 Hazardous waste transported off site by nonregistered hauler
- 202 Hazardous waste not taken to a State permitted facility
- 251 Extremely hazardous waste handled/disposed of without a permit
- 252 Deviation from DOHS approved handling/disposal methods made for extremely hazardous waste
- 301 Personnel not trained OTJ or in classroom within 6 months of employment
- 302 Training not conducted by person trained in hazardous waste management
- 303 Training does not include emergency response procedures and emergency equipment use
- 304 No personnel training records maintained including titles, job description, dates, type of training
- 351 Generator has not prepared contingency plan or maintained at site
- 352 Contingency plan does not include all required information
- 353 Emergency coordinator not familiar with all aspects of site operation/emergency procedures
- 354 Released waste/contaminated equipment not properly treated, stored, disposed of
- 355 Report not submitted to State within 15 days of emergency incident
- 356 State and local agencies not notified before resuming operation after an emergency
- 401 Appropriate firefighting, spill control, and decontamination equipment not available
- 402 Adequate testing/maintenance for emergency equipment not conducted
- 403 Appropriate communications/alarm systems not available
- 404 Adequate aisle space not available for unobstructed movement
- 405 Arrangements with appropriate local authorities for emergency response have not been made
- 451 Hazardous waste stored more than 90 days
- 452 Containers not visibly marked with the beginning date of accumulation
- 453 Each container and tank not clearly labeled hazardous waste with required details
- 454 Waste is not packaged, labeled, and placarded according to 49 CFR (DOT)
- 455 Each container of 110 gallons or less is not properly labeled
- 501 Containers are not in good condition or are not managed to prevent leaks
- 502 Containers are not compatible with waste in them
- 503 Containers are not stored closed
- 504 Containers are not inspected weekly for leaks/defects
- 505 Ignitable/reactive wastes are not stored 50 ft. from facility property line

INSPECTOR #: 148 SIGNATURE: Don Baker

RECEIVED BY: Robert Levine DATE RECEIVED: 11/30/87

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH (714) 834-817
1725 WEST 17TH STREET, P.O. BOX 355
SANTA ANA, CA 92702

HAZARDOUS WASTE INSPECTION

DBA: CAPISTRANO UNIFIED SCHOOL DISTRICT

ADDRESS: _____

ACCOUNT NUMBER: _____ PERMIT NUMBER: _____

VIOLATION DESCRIPTION

- ___ 506 Incompatibles are not managed to prevent contact/mixing
- ___ 507 Incompatibles are not stored/protected in separate containers
- ___ 551 Stored waste in tanks causes corrosion, leakage or premature failure
- ___ 552 Uncovered tanks do not have 2 feet freeboard, dikes or other containment structures
- ___ 553 Continuous feed systems in tanks have no waste-feed cutoff
- ___ 554 Discharge control equipment, monitoring equipment, and waste level not checked daily for tanks
- ___ 555 Construction materials of tank/containment area are not checked weekly
- ___ 556 At site closure, hazardous waste, residue and contaminated equipment not properly disposed
- ___ 557 Ignitable/reactive waste in tanks not protected from material that would cause it to ignite/react
- ___ 558 Incompatibles are not stored/protected in separate tanks
- ___ 559 NFPA buffer zone for tanks not observed
- ___ 700 Facility not maintained to minimize fire, explosion, or release of hazardous waste (containment)

THE ABOVE NOTED ITEMS REPRESENT VIOLATIONS OF THE CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, AND SHALL BE CORRECTED AS INDICATED _____

051 MAINTAIN COPIES OF ALL WASTE OIL RECEIPTS ON SITE AT ALL TIMES

INSPECTOR #: 148 SIGNATURE: Dave Baker

RECEIVED BY: Adelphi Alivinos DATE RECEIVED: 11 30 07

RECORDS RELEASE

RECORDS OF:

Capistrano USD Transportation Center
(Name)

26126 Victoria Blvd.
(Address)

Capistrano Beach, CA 92624
(City)

R.R. #: 96-1060

REQUESTOR:

Enocotech
(Name)

373 Van Ness Ave., Suite 110
(Address)

Torrance, CA 90501
(City)

TOTAL PAGES: 56

RELEASE DATE:

9-5-96

NAME:

Consuelo M. Burro

RECORDS RELEASE



**ORANGE COUNTY CERTIFIED UNIFIED PROGRAM AGENCY
HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
PERMIT TO OPERATE
UNDERGROUND STORAGE TANKS**

Program Record ID	Permit Number	Program Code and Description	Permit Valid
PR0024884	PT0030445		7/1/2015 To 6/30/2017

Underground Storage Tank Program:
California Health and Safety Code Div. 20, Chap. 6.7 and Title 23 California Code of Regulations Chap. 16.

Tank ID	Capacity	Contents	System Type	Leak Detection
30-000-FA0025179-013	10,000	REGULAR	DOUBLE-WALL	Continuous Interstitial Monitoring
30-000-FA0025179-014	20,000	DIESEL	DOUBLE-WALL	Continuous Interstitial Monitoring

BOE ID#

Underground Storage Tank Permit Conditions

The underground storage tanks [UST(s)] located at this facility are permitted to operate provided the following conditions are complied with:

- 1) Facility copy of this permit has an approved monitoring plan, leak response plan, and plot plan attached.
- 2) All unauthorized releases must be reported to this Agency within the time limits and according to the manner specified in Title 23, Sections 2650-55 of the California Code of Regulations (CCR)
- 3) Written records, as required by Section 2712(b), Title 23, CCR, of all monitoring and maintenance performed shall be maintained on-site for a period of at least three (3) years from the date the monitoring was performed. Written records of all monitoring and maintenance performed in the last three (3) years shall be shown to representatives of this Agency upon request during any site inspection.
- 4) The UST(s) must be monitored in accordance with the approved method. This monitoring method is identified above and can be found in Sections 2632 & 2640-48 of Title 23, and Sections 25291 & 25292 of the Health and Safety Code (H&SC).
- 5) The UST(s) owner and operator are subject to all applicable requirements of Chapter 6.7 and Chapter 6.75 of the Health and Safety Code and their regulations.
- 6) Any changes to the information provided in the UST permit application must be reported, within 30 days, to this Agency.

COUNTY OF ORANGE
CERTIFIED UNIFIED PROGRAM AGENCY
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000

**PERMITS TO OPERATE are NOT TRANSFERABLE
and may be SUSPENDED or REVOKED for cause.**

PERMIT(s) Valid only for: **CAPISTRANO UNIFIED SCHOOL DIST**

THIS PERMIT MUST BE RETAINED ON THE PREMISES AND AVAILABLE FOR REVIEW

Regulated Facility: **CUSD TRANSPORTATION CENTER**
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Facility ID **FA0025179**

Issued **06/29/2015**

Permit Mail To: **RISK MANAGEMENT LEAD - INS DEPT**
CUSD TRANSPORTATION CENTER
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675



**ORANGE COUNTY CERTIFIED UNIFIED PROGRAM AGENCY
HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
PERMIT TO OPERATE
UNDERGROUND STORAGE TANKS**

Program Record ID	Permit Number	Program Code and Description	Permit Valid
PR0024884	PT0030445		7/1/2014 To 6/30/2015

Underground Storage Tank Program:

California Health and Safety Code Div. 20, Chap. 6.7 and Title 23 California Code of Regulations Chap. 16.

Tank ID	Capacity	Contents	System Type	Leak Detection
30-000-FA0025179-013	10,000	REGULAR	DOUBLE-WALL	Continuous Interstitial Monitoring
30-000-FA0025179-014	20,000	DIESEL	DOUBLE-WALL	Continuous Interstitial Monitoring

BOE ID#: _____

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- 5) The UST(s) owner and operator are subject to all applicable requirements of Chapter 6.7 and Chapter 6.75 of the Health and Safety Code and their regulations.
- 6) Any changes to the information provided in the UST permit application must be reported, within 30 days, to this Agency.

COUNTY OF ORANGE
CERTIFIED UNIFIED PROGRAM AGENCY
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000

**PERMITS TO OPERATE are NOT TRANSFERABLE
and may be SUSPENDED or REVOKED for cause.**

**PERMIT(s) Valid only for: CAPISTRANO UNIFIED SCHOOL DIST
THIS PERMIT MUST BE RETAINED ON THE PREMISES AND AVAILABLE FOR REVIEW**

Regulated Facility: **CUSD TRANSPORTATION CENTER**
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Facility ID: **FA0025179**

Issued: **06/23/2014**

Permit Mail To: **RISK MANAGEMENT LEAD - INS DEPT**
CUSD TRANSPORTATION CENTER
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675



**ORANGE COUNTY CERTIFIED UNIFIED PROGRAM AGENCY
HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
PERMIT TO OPERATE
UNDERGROUND STORAGE TANKS**

Program Record ID	Permit Number	Program Code and Description	Permit Valid
PR0024884	PT0030445		7/1/2013 To 6/30/2014

Underground Storage Tank Program:

California Health and Safety Code Div. 20, Chap. 6.7 and Title 23 California Code of Regulations Chap. 16.

Tank ID	Capacity	Contents	System Type	Leak Detection
30-000-FA0025179-014	20,000	DIESEL	DOUBLE-WALLED	Continuous Interstitial Monitoring
30-000-FA0025179-013	10,000	REGULAR	DOUBLE-WALLED	Continuous Interstitial Monitoring

BOE ID#

Underground Storage Tank Permit Conditions

The underground storage tanks [UST(s)] located at this facility are permitted to operate provided the following conditions are complied with:

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- 5) The UST(s) owner and operator are subject to all applicable requirements of Chapter 6.7 and Chapter 6.75 of the Health and Safety Code and their regulations.
- 6) Any changes to the information provided in the UST permit application must be reported, within 30 days, to this Agency.

COUNTY OF ORANGE
CERTIFIED UNIFIED PROGRAM AGENCY
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000

**PERMITS TO OPERATE are NOT TRANSFERABLE
and may be SUSPENDED or REVOKED for cause.**

**PERMIT(s) Valid only for: CAPISTRANO UNIFIED SCHOOL DIST
THIS PERMIT MUST BE RETAINED ON THE PREMISES AND AVAILABLE FOR REVIEW**

Regulated Facility: **CUUSD TRANSPORTATION CENTER**
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Facility ID **FA0025179**

Issued **06/24/2013**

Permit Mail To: **RISK MANAGEMENT LEAD - INS DEPT**
CUUSD TRANSPORTATION CENTER
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675



**ORANGE COUNTY CERTIFIED UNIFIED PROGRAM AGENCY
HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
PERMIT TO OPERATE
UNDERGROUND STORAGE TANKS**

Program Record ID	Permit Number	Program Code and Description	Permit Valid
PR0024884	PT0030445		7/1/2012 To 6/30/2013

Underground Storage Tank Program:

California Health and Safety Code Div. 20, Chap. 6.7 and Title 23 California Code of Regulations Chap. 16.

Tank ID	Capacity	Contents	System Type	Leak Detection
30-000-FA0025179-013	10,000	REGULAR	DOUBLE-WALLED	Continuous Interstitial Monitoring
30-000-FA0025179-014	20,000	DIESEL	DOUBLE-WALLED	Continuous Interstitial Monitoring

BOE ID# [REDACTED]

Underground Storage Tank Permit Conditions

The underground storage tanks [UST(s)] located at this facility are permitted to operate provided the following conditions are complied with:

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- 2) All unauthorized releases must be reported to this Agency within the time limits and according to the manner specified in Title 23, Sections 2650-55 of the California Code of Regulations (CCR)
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- 5) The UST(s) owner and operator are subject to all applicable requirements of Chapter 6.7 and Chapter 6.75 of the Health and Safety Code and their regulations.
- 6) Any changes to the information provided in the UST permit application must be reported, within 30 days, to this Agency.

COUNTY OF ORANGE
CERTIFIED UNIFIED PROGRAM AGENCY
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000

**PERMITS TO OPERATE are NOT TRANSFERABLE
and may be SUSPENDED or REVOKED for cause.**

PERMIT(s) Valid only for: CAPISTRANO UNIFIED SCHOOL DIST

THIS PERMIT MUST BE RETAINED ON THE PREMISES AND AVAILABLE FOR REVIEW

Regulated Facility:	CUUSD TRANSPORTATION CENTER	Facility ID	FA0025179
	26126 VICTORIA BLVD		
	CAPISTRANO BEACH, CA 92624	Issued	06/25/2012

Permit Mail To: RISK MANAGEMENT TECH -INS DEPT
CUUSD TRANSPORTATION CENTER
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675



**ORANGE COUNTY CERTIFIED UNIFIED PROGRAM AGENCY
HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
PERMIT TO OPERATE
UNDERGROUND STORAGE TANKS**

Program Record ID	Permit Number	Program Code and Description	Permit Valid
PR0024884	PT0030445		7/1/2011 To 6/30/2012

Underground Storage Tank Program:

California Health and Safety Code Div. 20, Chap. 6.7 and Title 23 California Code of Regulations Chap. 16.

Tank ID	Capacity	Contents	System Type	Leak Detection
30-000-FA0025179-014	20,000	DIESEL	DOUBLE-WALLED	Continuous Interstitial Monitoring
30-000-FA0025179-013	10,000	REGULAR	DOUBLE-WALLED	Continuous Interstitial Monitoring

BOE ID#

Underground Storage Tank Permit Conditions

The underground storage tanks [UST(s)] located at this facility are permitted to operate provided the following conditions are complied with:

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- 4) The UST(s) must be monitored in accordance with the approved method. This monitoring method is identified above and can be found in Sections 2632 & 2640-48 of Title 23, and Sections 25291 & 25292 of the Health and Safety Code (H&SC).
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- 6) Any changes to the information provided in the UST permit application must be reported, within 30 days, to this Agency.

COUNTY OF ORANGE
CERTIFIED UNIFIED PROGRAM AGENCY
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000

PERMITS TO OPERATE are NOT TRANSFERABLE
and may be SUSPENDED or REVOKED for cause.

PERMIT(s) Valid only for: **CAPISTRANO UNIFIED SCHOOL DIST**

THIS PERMIT MUST BE RETAINED ON THE PREMISES AND AVAILABLE FOR REVIEW

Regulated Facility: **C U S D TRANSPORTATION CENTER**
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Facility ID **FA0025179**

Issued **06/27/2011**

Permit Mail To: **RISK MANAGEMENT TECH -INS DEPT**
C U S D TRANSPORTATION CENTER
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at <http://www.waterboards.ca.gov>)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Capistrano Unified School District Capistrano Beach Bldg. No. _____
 Site Address: 26126 Victoria Blvd. City: Capistrano Beach Zip: 92624
 Facility Contact Person: JAKB Contact Phone No.: (949) -489-7349
 Make/Model of Monitoring System: V860UR007 TCS-350 Date of Testing/Service: 12/19/2014

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: <u>011400</u> <input checked="" type="checkbox"/> In-Tank Gauging Probe. Model: <u>MAE</u> <input checked="" type="checkbox"/> Annular Space or Vault Sensor. Model: <u>794310-360</u> <input checked="" type="checkbox"/> Piping Sump / Trench Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Fill Sump Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Mechanical Line Leak Detector. Model: <u>LO-2000</u> <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).	Tank ID: <u>01634</u> <input checked="" type="checkbox"/> In-Tank Gauging Probe. Model: <u>MAE</u> <input checked="" type="checkbox"/> Annular Space or Vault Sensor. Model: <u>794310-360</u> <input checked="" type="checkbox"/> Piping Sump / Trench Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Fill Sump Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Mechanical Line Leak Detector. Model: <u>LO-2000</u> <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).
Tank ID: _____ <input type="checkbox"/> In-Tank Gauging Probe. Model: _____ <input type="checkbox"/> Annular Space or Vault Sensor. Model: _____ <input type="checkbox"/> Piping Sump / Trench Sensor(s). Model: _____ <input type="checkbox"/> Fill Sump Sensor(s). Model: _____ <input type="checkbox"/> Mechanical Line Leak Detector. Model: _____ <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).	Tank ID: _____ <input type="checkbox"/> In-Tank Gauging Probe. Model: _____ <input type="checkbox"/> Annular Space or Vault Sensor. Model: _____ <input type="checkbox"/> Piping Sump / Trench Sensor(s). Model: _____ <input type="checkbox"/> Fill Sump Sensor(s). Model: _____ <input type="checkbox"/> Mechanical Line Leak Detector. Model: _____ <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: <u>1-2</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).	Dispenser ID: <u>3-7</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).
Dispenser ID: <u>5-6</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).	Dispenser ID: <u>7-8</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).
Dispenser ID: _____ <input type="checkbox"/> Dispenser Containment Sensor(s). Model: _____ <input type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).	Dispenser ID: _____ <input type="checkbox"/> Dispenser Containment Sensor(s). Model: _____ <input type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; (check all that apply): System set-up Alarm history report

Technician Name (print): Marty Schwartz Signature: _____
 Certification No: B33396 License No: 517336
 Testing Company Name: Orange County Tank Testing Phone No.: (714) 776-0300
 Testing Company Address: 225 N. Loara Street, Anaheim, CA 92801 Date of Testing/Service: 12/19/2014

D. Results of Testing/Serviceing

Software Version Installed: 16.02

Complete the following checklist:

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Is the audible alarm operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Is the visual alarm operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No* <input type="checkbox"/> N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? (Check all that apply) <input checked="" type="checkbox"/> Sump/Trench Sensors; <input checked="" type="checkbox"/> Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks <u>and</u> sensor failure/disconnection? <input checked="" type="checkbox"/> Yes; <input type="checkbox"/> No.
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? _____ %
<input type="checkbox"/> Yes*	<input checked="" type="checkbox"/> No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
<input type="checkbox"/> Yes*	<input checked="" type="checkbox"/> No	Was liquid found inside any secondary containment systems designed as dry systems? (Check all that apply) <input type="checkbox"/> Product; <input type="checkbox"/> Water. If yes, describe causes in Section E, below.
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Is all monitoring equipment operational per manufacturer's specifications?

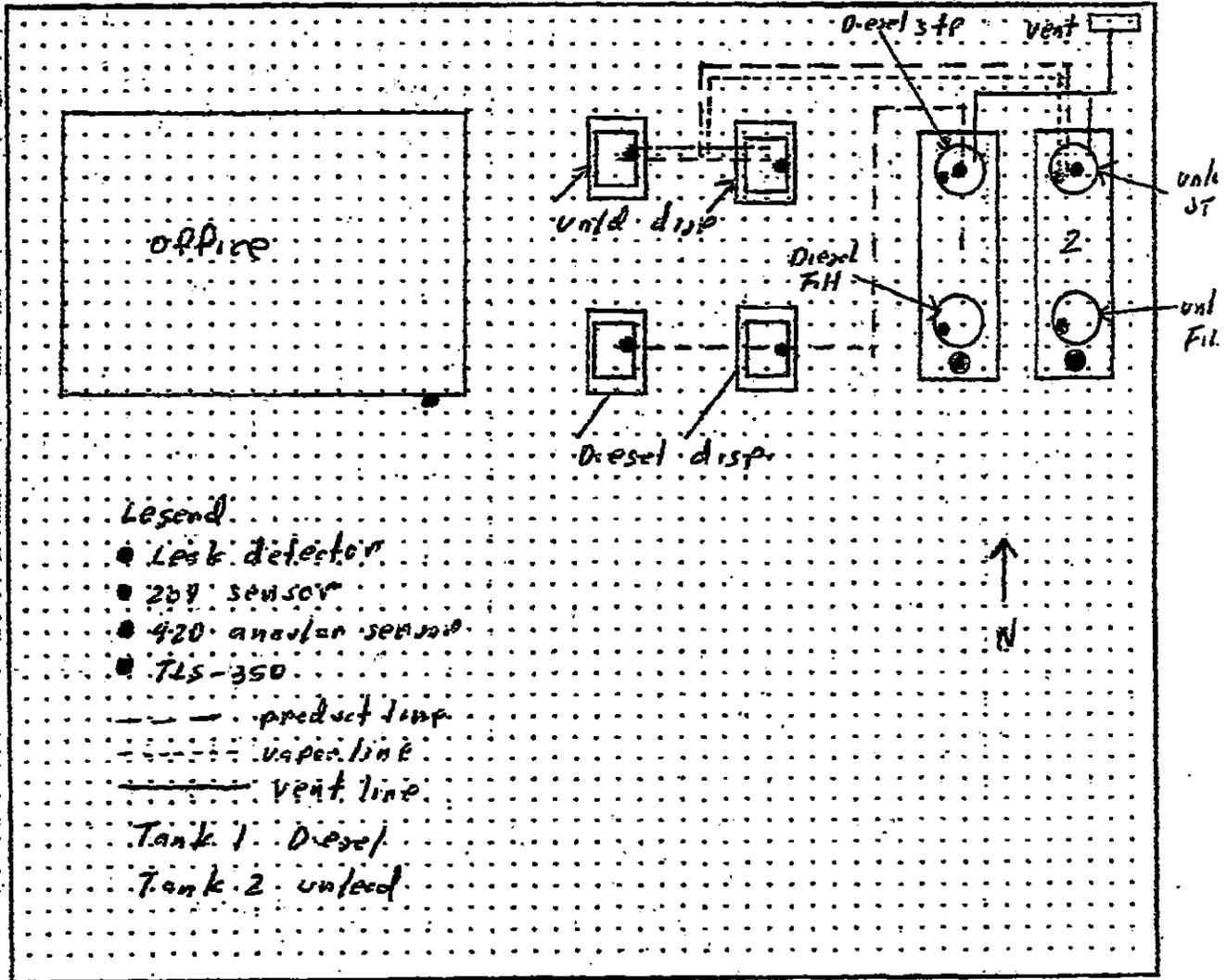
* In Section E below, describe how and when these deficiencies were or will be corrected.

E. Comments:

SITU (N) FLAPPY VALVE)

UST Monitoring Site Plan

Site Address: 26126 Victoria



Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

Mechanical Line Leak Detector Test Data Chart

Testing Company

WO #: _____
 Site Name: Capistrano Unified School District Ca
 Address: 26126 Victoria Blvd.
Capistrano Beach, California 92624
 Phone: 949-489-7349

Name: Orange County Tank Testing, Inc.
 Address: 225 N. Loara Street
Anaheim, CA 92801.
 Phone: (714) 776-0300

Contact: _____

LEAK DETECTOR

#1 Make: UMI

Type / Model: LD-2000

Serial #: _____

#3 Make: _____

Type / Model: _____

Serial #: _____

#2 Make: UMI

Type / Model: LD-2000

Serial #: _____

#4 Make: _____

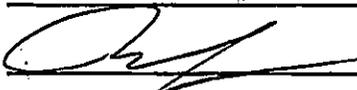
Type / Model: _____

Serial #: _____

Product	Full Operating Pressure PSI	Opening Time Seconds	Functional Element Holding PSI	Bleed Back ML	Metering Pressure PSI	Test Leak Rate ML / Minute GAL / HR	Pass	Fail
<u>UNL640</u>	<u>36</u>	<u>5</u>	<u>35</u>	<u>200</u>	<u>19</u>	<u>189/3</u>	<u>X</u>	
<u>D16J6C</u>	<u>32</u>	<u>5</u>	<u>30</u>	<u>200</u>	<u>18</u>	<u>189/3</u>	<u>X</u>	

Remarks: _____

Tester: Marty Schwartz

Signature: 

License #: 93-1095

Test Date: 12/19/2014

SYSTEM SETUP

DEC 19, 2014 7:27 AM

SYSTEM UNITS
U.S.
SYSTEM LANGUAGE
ENGLISH
SYSTEM DATE/TIME FORMAT
MON DD YYYY HH:MM:SS XM

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD.
SAN JUAN CAPISTRANO

SHIFT TIME 1 : 8:00 AM
SHIFT TIME 2 : DISABLED
SHIFT TIME 3 : DISABLED
SHIFT TIME 4 : DISABLED

TANK PERIODIC WARNINGS
DISABLED
TANK ANNUAL WARNINGS
DISABLED
LINE PERIODIC WARNINGS
DISABLED
LINE ANNUAL WARNINGS
DISABLED

PRINT TO VOLUMES
ENABLED

TEMP COMPENSATION
VALUE (DEG F) : 60.0
STICK HEIGHT OFFSET
DISABLED

H-PROTOCOL DATA FORMAT
HEIGHT
DAYLIGHT SAVING TIME
ENABLED
START DATE
APR WEEK 1 SUN
START TIME
2:00 AM
END DATE
OCT WEEK 6 SUN
END TIME
2:00 AM

RE-DIRECT LOCAL PRINTOUT
DISABLED

SYSTEM SECURITY
CODE : 000000

COMMUNICATIONS SETUP

PORT SETTINGS:

COMM BOARD : 1 (RS-232)
BAUD RATE : 9600
PARITY : NONE
STOP BIT : 1 STOP
DATA LENGTH: 8 DATA

AUTO TRANSMIT SETTINGS:

AUTO LEAK ALARM LIMIT
DISABLED
AUTO HIGH WATER LIMIT
DISABLED
AUTO OVERFILL LIMIT
DISABLED
AUTO LOW PRODUCT
DISABLED
AUTO THEFT LIMIT
DISABLED
AUTO DELIVERY START
DISABLED
AUTO DELIVERY END
DISABLED
AUTO EXTERNAL INPUT ON
DISABLED
AUTO EXTERNAL INPUT OFF
DISABLED
AUTO SENSOR FUEL ALARM
DISABLED
AUTO SENSOR WATER ALARM
DISABLED
AUTO SENSOR OUT ALARM
DISABLED

RS-232 SECURITY
CODE : 000000

RS-232 END OF MESSAGE
DISABLED

IN-TANK SETUP

T 1: UNLEADED FUEL
PRODUCT CODE : 1
THERMAL COEFF : .000700
TANK DIAMETER : 95.75
TANK PROFILE : 1 PT
FULL VOL : 10152

FLOAT SIZE: 4.0 IN.: 8496

WATER WARNING : 1.5
HIGH WATER LIMIT: 2.0

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 90%
9136
HIGH PRODUCT : 95%
9644
DELIVERY LIMIT : 20%
2030

LOW PRODUCT : 581
LEAK ALARM LIMIT: 24
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
0

LEAK MIN ANNUAL : 0%
0

PERIODIC TEST TYPE :
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK: OFF

DELIVERY DELAY : 5 MIN

L10:11-12 DSL PAN 2
TRI-STATE (SINGLE FLOAT)
CATEGORY : DISPENSER PAN

L11:15-16 DSL PAN 3
TRI-STATE (SINGLE FLOAT)
CATEGORY : DISPENSER PAN

L12:13-14 GAS PAN 4
TRI-STATE (SINGLE FLOAT)
CATEGORY : DISPENSER PAN

T 2:DIESEL FUEL
PRODUCT CODE : 2
THERMAL COEFF : .000450
TANK DIAMETER : 113.75
TANK PROFILE : 1 PT
FULL VOL : 20149

FLOAT SIZE: 4.0 IN. 8496

WATER WARNING : 1.0
HIGH WATER LIMIT: 1.5

MAX OR LABEL VOL: 20149
OVERFILL LIMIT : 90%
 : 18134
HIGH PRODUCT : 95%
 : 19141
DELIVERY LIMIT : 20%
 : 4029

LOW PRODUCT : 897
LEAK ALARM LIMIT: 24
SUDDEN LOSS LIMIT: 50
TANK TILT : 0.00

MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
 : 0

LEAK MIN ANNUAL : 0%
 : 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 5 MIN

LEAK TEST METHOD

TEST CSLD : ALL TANK
Pd = 95%
CLIMATE FACTOR:MODERATE

LEAK TEST REPORT FORMAT
NORMAL

LIQUID SENSOR SETUP

L 1:DIESEL ANNULAR SPACE
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 2:DIESEL FILL SUMP
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L 3:DIESEL TURBINE SUMP
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L 4:UNLEADED ANNULAR
TRI-STATE (SINGLE FLOAT)
CATEGORY : ANNULAR SPACE

L 5:UNLEADED FILL
TRI-STATE (SINGLE FLOAT)
CATEGORY : OTHER SENSORS

L 6:UNLEADED TURBINE
TRI-STATE (SINGLE FLOAT)
CATEGORY : STP SUMP

L 9:9-10 GAS PAN 1
TRI-STATE (SINGLE FLOAT)
CATEGORY : DISPENSER PAN

OUTPUT RELAY SETUP

R 1:DIESEL SHUTDOWN
TYPE:
STANDARD
NORMALLY CLOSED

LIQUID SENSOR ALMS

L 1:FUEL ALARM
L 2:FUEL ALARM
L 3:FUEL ALARM
L10:FUEL ALARM
L11:FUEL ALARM
L 1:SENSOR OUT ALARM
L 2:SENSOR OUT ALARM
L 3:SENSOR OUT ALARM
L10:SENSOR OUT ALARM
L11:SENSOR OUT ALARM
L 1:SHORT ALARM
L 2:SHORT ALARM
L 3:SHORT ALARM
L10:SHORT ALARM
L11:SHORT ALARM

R 2:UNLEADED SHUTDOWN
TYPE:
STANDARD
NORMALLY CLOSED

LIQUID SENSOR ALMS
L 4:FUEL ALARM
L 5:FUEL ALARM
L 6:FUEL ALARM
L 9:FUEL ALARM
L12:FUEL ALARM
L 4:SENSOR OUT ALARM
L 5:SENSOR OUT ALARM
L 6:SENSOR OUT ALARM
L 9:SENSOR OUT ALARM
L12:SENSOR OUT ALARM
L 4:SHORT ALARM
L 5:SHORT ALARM
L 6:SHORT ALARM
L 9:SHORT ALARM
L12:SHORT ALARM

SOFTWARE REVISION LEVEL
VERSION 16.02
SOFTWARE# 346016-100-C
CREATED - 98.05.14.13.04

S-MODULE# 330160-002-A
SYSTEM FEATURES:
PERIODIC IN-TANK TESTS
ANNUAL IN-TANK TESTS
CSLD

ALARM HISTORY REPORT

----- IN-TANK ALARM -----

T 1:UNLEADED FUEL

SETUP DATA WARNING
AUG 31, 1998 10:32 AM

OVERFILL ALARM
OCT 19, 2011 7:59 AM
JUL 17, 2009 9:36 AM
FEB 3, 2009 2:04 PM

LOW PRODUCT ALARM
APR 28, 2011 6:17 AM
MAY 14, 2008 11:36 AM
FEB 19, 2008 11:58 AM

HIGH PRODUCT ALARM
JUN 1, 2006 11:44 AM
MAR 2, 2000 9:44 AM
NOV 6, 1998 9:46 AM

INVALID FUEL LEVEL
FEB 20, 2008 9:49 AM
AUG 1, 2007 9:18 AM
MAR 15, 2007 11:05 AM

PROBE OUT
AUG 31, 1998 10:31 AM

DELIVERY NEEDED
OCT 18, 2013 2:34 PM
JUN 13, 2013 6:38 AM
FEB 11, 2013 2:34 PM

***** END *****

ALARM HISTORY REPORT

----- IN-TANK ALARM -----

T 2:DIESEL FUEL

SETUP DATA WARNING
AUG 31, 1998 10:33 AM

OVERFILL ALARM
JAN 31, 2006 2:41 PM
JUN 25, 2001 9:01 AM
DEC 21, 1999 1:02 PM

LOW PRODUCT ALARM
DEC 16, 2002 9:02 AM
AUG 31, 1998 10:33 AM

HIGH PRODUCT ALARM
OCT 2, 1998 11:18 AM

INVALID FUEL LEVEL
DEC 16, 2002 4:14 PM
AUG 31, 1998 10:33 AM

PROBE OUT
AUG 2, 2006 2:27 PM
AUG 2, 2006 1:15 PM
AUG 2, 2006 11:15 AM

DELIVERY NEEDED
MAR 3, 2014 9:07 AM
MAR 11, 2013 11:35 AM
FEB 10, 2012 1:12 PM

LOW TEMP WARNING
OCT 16, 1999 2:49 AM

***** END *****

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 5:UNLEADED FILL
OTHER SENSORS
FUEL ALARM
DEC 20, 2013 9:25 AM

SENSOR OUT ALARM
DEC 20, 2012 9:54 AM

FUEL ALARM
DEC 20, 2012 9:52 AM

***** END *****

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 1:DIESEL ANNULAR SPACE
ANNULAR SPACE
FUEL ALARM
DEC 20, 2013 9:28 AM

SENSOR OUT ALARM
DEC 20, 2012 9:54 AM

FUEL ALARM
DEC 20, 2012 9:46 AM

***** END *****

ALARM HISTORY REPORT

----- SENSOR ALARM --
L 3:DIESEL TURBINE SI
STP SUMP
FUEL ALARM
DEC 20, 2013 9:31 AM

SENSOR OUT ALARM
DEC 20, 2012 9:54 AM

FUEL ALARM
DEC 20, 2012 9:48 AM

***** END *****

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 6:UNLEADED TURBINE
STP SUMP
FUEL ALARM
DEC 20, 2013 9:26 AM

SENSOR OUT ALARM
DEC 20, 2012 9:54 AM

FUEL ALARM
DEC 20, 2012 9:53 AM

***** END *****

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 2:DIESEL FILL SUMP
OTHER SENSORS
FUEL ALARM
DEC 20, 2013 9:30 AM

SENSOR OUT ALARM
DEC 20, 2012 9:54 AM

FUEL ALARM
DEC 20, 2012 9:47 AM

***** END *****

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 4:UNLEADED ANNULAR
ANNULAR SPACE
FUEL ALARM
DEC 20, 2013 9:24 AM

SENSOR OUT ALARM
DEC 20, 2012 9:54 AM

FUEL ALARM
DEC 20, 2012 9:51 AM

***** END *****

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L 9:9-10 GAS PAN 1
DISPENSER PAN
SENSOR OUT ALARM
DEC 20, 2013 9:33 AM

FUEL ALARM
DEC 20, 2013 9:23 AM

FUEL ALARM
DEC 20, 2012 9:50 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L11:15-16 DSL PAN 3
DISPENSER PAN
SENSOR OUT ALARM
DEC 20, 2013 9:32 AM

FUEL ALARM
DEC 20, 2013 9:21 AM

FUEL ALARM
DEC 20, 2012 9:46 AM

* * * * * END * * * * *

* * * * * END * * * * *

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L10:11-12 DSL PAN 2
DISPENSER PAN
SENSOR OUT ALARM
DEC 20, 2013 9:32 AM

FUEL ALARM
DEC 20, 2013 9:21 AM

FUEL ALARM
DEC 20, 2012 9:45 AM

ALARM HISTORY REPORT

----- SENSOR ALARM -----
L12:13-14 GAS PAN 4
DISPENSER PAN
SENSOR OUT ALARM
DEC 20, 2013 9:32 AM

FUEL ALARM
DEC 20, 2013 9:22 AM

FUEL ALARM
DEC 20, 2012 9:49 AM

* *

* * * * * END * * * * *

Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Capistrano Unified Transportation Yard	Date of Testing: 12-19-14
Facility Address: 26126 Victoria Blvd, San Juan Capistrano, CA 92624	
Facility Contact:	Phone:
Date Local Agency Was Notified of Testing: 12/2/14	
Name of Local Agency Inspector (if present during testing): Bri Dewey, OC Health	

2. TESTING CONTRACTOR INFORMATION

Company Name: Clean Air Testing		
Technician Conducting Test: Steven Loera		
Credentials: x CSLB Licensed Contractor	<input type="checkbox"/> SWRCB Licensed Tank Tester	
License Type: C61 D40 HAZ	License Number: 474291	
Manufacturer Training		
Manufacturer	Component(s)	Date Training Expires
ICC	California Service Tech - 8122800-UT	4/5/16
INCON	Level 4 Sump Test System - 5591163703	4/22/16

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
Fill Buckets (2)	X								
Fill Sumps (2)	X								
STP Sumps (2)	X								
Annulars (2)	X								
Secondary Product Lines (2)	X								
UDC's (4)	X								

If hydrostatic testing was performed, describe what was done with the water after completion of tests:
Water kept in trailer mounted tank for re-use

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature:  Date: 12-19-14
 Processed By: EQ

6. PIPING SUMP TESTING

Test Method Developed By:	<input type="checkbox"/> Sump Manufacturer	<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer
	<input type="checkbox"/> Other (Specify)		
Test Method Used:	<input type="checkbox"/> Pressure	<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic
	<input type="checkbox"/> Other (Specify)		
Test Equipment Used: INCON TS-ST5		Equipment Resolution: .0001	
Piping Sump:	Diesel	87	
Sump Diameter:	42"	42"	
Sump Depth:	56"	64"	
Sump Material:	Fiberglass	Fiberglass	
Height from Tank Top to Top of Highest Piping Penetration:	16"	16"	
Height from Tank Top to Lowest Electrical Penetration:	18"	14"	
Condition of sump prior to testing:	Fair	Fair	
Portion of Sump Tested ²	2" Above Highest Penetration		
Does turbine shut down when sump sensor detects liquid (both product and water)?	N/A	N/A	
Turbine shutdown response time	N/A	N/A	
Is system programmed for fail-safe shutdown?	N/A	N/A	
Was fail-safe verified to be operational?	N/A	N/A	
Wait time between applying pressure/vacuum/water and starting test:	10 min	10 min	
Test Start Time:	12:15 12:31	12:15 12:31	
Initial Reading (R _I):	3.9510 3.9508	4.1043 4.1054	
Test End Time:	12:30 12:46	12:30 12:46	
Final Reading (R _F):	3.9509 3.9508	4.1056 4.1052	
Test Duration:	15 min 15 min	15 min 15 min	
Change in Reading (R _F -R _I):	-.0001 0	.0013 -.0002	
Pass/Fail Threshold or Criteria:	+/- .0020	+/- .0020	
Test Result:	Pass	Pass	
Was sensor removed for testing?	Yes	Yes	
Was sensor properly replaced and verified functional after testing?	Yes	Yes	

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

² If the entire depth of the sump is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire sump must be tested. (See SWRCB LG-160)

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	<input type="checkbox"/> UDC Manufacturer	<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer	
	<input type="checkbox"/> Other (Specify)			
Test Method Used:	<input type="checkbox"/> Pressure	<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic	
	<input type="checkbox"/> Other (Specify)			
Test Equipment Used: INCON TS-ST5		Equipment Resolution: .0001		
UDC:	1-2	3-4	5-6	7-8
UDC Manufacturer:	Environ	Environ	Environ	Environ
UDC Material:	Poly	Poly	Poly	Poly
UDC Depth:	31"	31"	31"	31"
Height from UDC Bottom to Top of Highest Piping Penetration:	10"	10"	10"	10"
Height from UDC Bottom to Lowest Electrical Penetration:	20"	20"	20"	20"
Condition of UDC prior to testing:	Fair	Fair	Fair	Fair
Portion of UDC Tested ³	2" Above Highest Penetration			
Does turbine shut down when UDC sensor detects liquid (both product and water)? ^{4*}	N/A	N/A	N/A	N/A
Turbine shutdown response time	N/A	N/A	N/A	N/A
Is system programmed for fail-safe shutdown?	N/A	N/A	N/A	N/A
Was fail-safe verified to be operational?	N/A	N/A	N/A	N/A
Wait time between applying pressure/vacuum/water and starting test	10 min	10 min	10 min	10 min
Test Start Time:	1:10 1:28	1:10 1:28	12:15 12:31	12:15 12:31
Initial Reading (R _I):	6.6168 6.6170	5.4897 5.4896	5.8807 5.8796	5.4999 5.4996
Test End Time:	1:25 1:43	1:25 1:43	12:30 12:46	12:30 12:46
Final Reading (R _F):	6.6169 6.6170	5.4896 5.4896	5.8796 5.8794	5.4995 5.4993
Test Duration:	15 min 15 min	15 min 15 min	15 min 15 min	15 min 15 min
Change in Reading (R _F -R _I):	.0001 0	-.0001 0	-.0011 -.0002	-.0004 -.0003
Pass/Fail Threshold or Criteria:	+/- .0020	+/- .0020	+/- .0020	+/- .0020
Test Result:	Pass	Pass	Pass	Pass
Was sensor removed for testing?	Yes	Yes	Yes	Yes
Was sensor properly replaced and verified functional after testing?	Yes	Yes	Yes	Yes

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

³ If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD
SAN JUAN CAPISTRANO

12/19/2014 11:37 AM

SUMP LEAK TEST REPORT

87 FB

TEST STARTED 11:21 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 6.1464 IN
END TIME 11:37 AM
END DATE 12/19/2014
END LEVEL 6.1462 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL FB

TEST STARTED 11:21 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 6.6964 IN
END TIME 11:37 AM
END DATE 12/19/2014
END LEVEL 6.6962 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

87 FILL

TEST STARTED 11:21 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 4.6077 IN
END TIME 11:37 AM
END DATE 12/19/2014
END LEVEL 4.6073 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL FIL

TEST STARTED 11:21 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 4.0569 IN
END TIME 11:37 AM
END DATE 12/19/2014
END LEVEL 4.0566 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD
SAN JUAN CAPISTRANO

12/19/2014 11:53 AM

SUMP LEAK TEST REPORT

87 FB

TEST STARTED 11:37 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 6.1460 IN
END TIME 11:52 AM
END DATE 12/19/2014
END LEVEL 6.1461 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL FB

TEST STARTED 11:37 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 6.6961 IN
END TIME 11:52 AM
END DATE 12/19/2014
END LEVEL 6.6962 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

87 FILL

TEST STARTED 11:37 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 4.6072 IN
END TIME 11:52 AM
END DATE 12/19/2014
END LEVEL 4.6070 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL FIL

TEST STARTED 11:37 AM
TEST STARTED 12/19/2014
BEGIN LEVEL 4.0565 IN
END TIME 11:52 AM
END DATE 12/19/2014
END LEVEL 4.0563 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD
SAN JUAN CAPISTRANO

12/19/2014 12:31 PM

SUMP LEAK TEST REPORT

87 STP

TEST STARTED 12:15 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 4.1043 IN
END TIME 12:30 PM
END DATE 12/19/2014
END LEVEL 4.1056 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL STP

TEST STARTED 12:15 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 3.9510 IN
END TIME 12:30 PM
END DATE 12/19/2014
END LEVEL 3.9509 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D 5-6

TEST STARTED 12:15 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 5.8807 IN
END TIME 12:30 PM
END DATE 12/19/2014
END LEVEL 5.8796 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D 7-8

TEST STARTED 12:15 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 5.4999 IN
END TIME 12:30 PM
END DATE 12/19/2014
END LEVEL 5.4995 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD
SAN JUAN CAPISTRANO

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD
SAN JUAN CAPISTRANO

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA BLVD
SAN JUAN CAPISTRANO

12/19/2014 12:46 PM

12/19/2014 1:25 PM

12/19/2014 1:44 PM

SUMP LEAK TEST REPORT

SUMP LEAK TEST REPORT

SUMP LEAK TEST REPORT

87 STP

D 1-2

D 1-2

TEST STARTED 12:31 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 4,1054 IN
END TIME 12:46 PM
END DATE 12/19/2014
END LEVEL 4,1052 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

TEST STARTED 1:10 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 6,6168 IN
END TIME 1:25 PM
END DATE 12/19/2014
END LEVEL 6,6169 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

TEST STARTED 1:28 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 6,6170 IN
END TIME 1:43 PM
END DATE 12/19/2014
END LEVEL 6,6170 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

DSL STP

D 3-4

D 3-4

TEST STARTED 12:31 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 3,9508 IN
END TIME 12:46 PM
END DATE 12/19/2014
END LEVEL 3,9508 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

TEST STARTED 1:10 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 5,4897 IN
END TIME 1:25 PM
END DATE 12/19/2014
END LEVEL 5,4896 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

TEST STARTED 1:28 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 5,4896 IN
END TIME 1:43 PM
END DATE 12/19/2014
END LEVEL 5,4896 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

D 5-6

TEST STARTED 12:31 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 5,8796 IN
END TIME 12:46 PM
END DATE 12/19/2014
END LEVEL 5,8794 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

D 7-8

TEST STARTED 12:31 PM
TEST STARTED 12/19/2014
BEGIN LEVEL 5,4996 IN
END TIME 12:46 PM
END DATE 12/19/2014
END LEVEL 5,4993 IN
LEAK THRESHOLD 0,002 IN
TEST RESULT PASSED

SWRCB, January 2002

Page ___ of ___

Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	Capistrano Unified	Date of Testing:	12-22-11
Facility Address:	26126 Victoria San Juan Capistrano, CA		
Facility Contact:	OCTT	Phone:	714-776-0300
Date Local Agency Was Notified of Testing :			
Name of Local Agency Inspector (if present during testing):	None Present for SB-989		

2. TESTING CONTRACTOR INFORMATION

Company Name:	Clean Air Testing		
Technician Conducting Test:	David Lopez		
Credentials:	<input checked="" type="checkbox"/> CSLB Licensed Contractor	<input type="checkbox"/> SWRCB Licensed Tank Tester	
License Type:	C61 D40	License Number:	474291
Manufacturer	Manufacturer Training Component(s)	Date Training Expires	
ICC	California Service Tech - 8020115-UT	6/3/2013	
INCON	Level 4 Sump Test System - 4212793701	5/12/2012	

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
Annulars (2)	X								
STP Sumps (2)	X								
Fill Sumps (2)	X								
UDC's (4)	X								
87 Fill Bucket	X								
Diesel Fill Bucket		X							
87 Secondary Piping	X								
**Diesel Secondary Piping	X			X					

If hydrostatic testing was performed, describe what was done with the water after completion of tests:

Water kept in trailer mounted tank for re-use

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: _____

David Lopez

Date: 12/22/11 (**1/18/12)

SWRCB, January 2002

Page ___ of ___

5. SECONDARY PIPE TESTING

Test Method Developed By:				
<input type="checkbox"/> Piping Manufacturer		<input checked="" type="checkbox"/> Industry Standard		<input type="checkbox"/> Professional Engineer
<input type="checkbox"/> Other (Specify)				
Test Method Used:				
<input checked="" type="checkbox"/> Pressure		<input type="checkbox"/> Vacuum		<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Other (Specify)				
Test Equipment Used: Liquid filled pressure gauge			Equipment Resolution:	
	Piping Run # DSL	Piping Run # 87	Piping Run #	Piping Run #
Piping Material:	POLY	POLY		
Piping Manufacturer:	Environ	Environ		
Piping Diameter:	2"	1 1/2"		
Length of Piping Run:	63'	63'		
Product Stored:	DSL	Gas		
Method and location of piping-run isolation:	Pressure, Boot STP	Pressure, Boot STP		
Wait time between applying pressure/vacuum/water and starting test:	30 Min	30 Min		
Test Start Time:	11:55	1:30		
Initial Reading (R _i):	5.1 PSI	5.1 PSI		
Test End Time:	12:55	2:30		
Final Reading (R _f):	5.1 PSI	5.1 PSI		
Test Duration:	1 Hr	1 HR		
Change in Reading (R _f -R _i):	0	0		
Pass/Fail Threshold or Criteria:	0	0		
Test Result:	Pass	Pass		

Comments -- (include information on repairs made prior to testing, and recommended follow-up for failed tests)

****During Test on 12/22/11 the diesel line would air up and fail. On 1/18/12 we Returned to trouble shoot line. Initial tests should the same results. We then Performed a helium test and found a loose hose clamp on Diesel Dispenser Furthest from tank pad. We were able to tighten the fitting. Test was conducted For 1 Hr. The above test data is from 1/18/12 for the diesel secondary. This test & repair was performed by David N. Lopez (Sr.) of Clean Air Testing. ICC Service Tech#5307860-UT Exp 6/17/2013. Original test performed by David A. Lopez (Jr.)**

SWRCB, January 2002

Page ___ of ___

6. PIPING SUMP TESTING

Test Method Developed By:	<input type="checkbox"/> Sump Manufacturer	<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer
	<input type="checkbox"/> Other (Specify)		
Test Method Used:	<input type="checkbox"/> Pressure	<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic
	<input type="checkbox"/> Other (Specify)		
Test Equipment Used: INCON TS-ST5		Equipment Resolution: .0001	
	Sump # DSL	Sump # 87	Sump #
Sump Diameter:	42"	42"	
Sump Depth:	56"	64"	
Sump Material:	FG	FG	
Height from Tank Top to Top of Highest Piping Penetration:	16"	16"	
Height from Tank Top to Lowest Electrical Penetration:	17"	15"	
Condition of sump prior to testing:	Fair	Fair	
Portion of Sump Tested ¹	2" Above Highest Piping		
Does turbine shut down when sump sensor detects liquid (both product and water)?*	YES	YES	
Turbine shutdown response time	0-5 Sec	0-5 Sec	
Is system programmed for fail-safe shutdown?*	YES	YES	
Was fail-safe verified to be operational?*	YES	YES	
Wait time between applying pressure/vacuum/water and starting test:	20 Min	20 Min	
Test Start Time:	1:53 2:10	1:53 2:10	
Initial Reading (R _i):	4.3714 4.3716	4.8047 4.8050	
Test End Time:	2:08 2:25	2:08 2:25	
Final Reading (R _f):	4.3716 4.3715	4.8049 4.8050	
Test Duration:	15 Min 15 Min	15 Min 15 Min	
Change in Reading (R _f -R _i):	.0002 -.0001	.0002 .0000	
Pass/Fail Threshold or Criteria:	+/- .002	+/- .002	
Test Results:	Pass	Pass	
Was sensor removed for testing?	Yes	Yes	
Was sensor properly replaced and verified functional after testing?	Yes	Yes	

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

¹ If the entire depth of the sump is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire sump must be tested. (See SWRCB LG-160)

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	<input type="checkbox"/> UDC Manufacturer		<input checked="" type="checkbox"/> Industry Standard		<input type="checkbox"/> Professional Engineer			
	<input type="checkbox"/> Other (Specify)							
Test Method Used:	<input type="checkbox"/> Pressure		<input type="checkbox"/> Vacuum		<input checked="" type="checkbox"/> Hydrostatic			
	<input type="checkbox"/> Other (Specify)							
Test Equipment Used: INCON TS-ST5					Equipment Resolution: .0001			
	UDC # 9/10		UDC # 11/12		UDC # 13/14		UDC # 15/16	
UDC Manufacturer:	Environ		Environ		Environ		Environ	
UDC Material:	Poly		Poly		Poly		Poly	
UDC Depth:	31"		31"		31"		31"	
Height from UDC Bottom to Top of Highest Piping Penetration:	10"		10"		10"		10"	
Height from UDC Bottom to Lowest Electrical Penetration:	20"		20"		20"		20"	
Condition of UDC prior to testing:	Good		Good		Good		Good	
Portion of UDC Tested ¹	2" Above Highest Piping							
Does turbine shut down when UDC sensor detects liquid (both product and water)?*	YES		YES		YES		YES	
Turbine shutdown response time	0-5 Sec		0-5 Sec		0-5 Sec		0-5 Sec	
Is system programmed for fail-safe shutdown?*	YES		YES		YES		YES	
Was fail-safe verified to be operational?*	YES		YES		YES		YES	
Wait time between applying pressure/vacuum/water and starting test	15 Min		15 Min		15 Min		15 Min	
Test Start Time:	4:07	4:23	3:28	3:44	3:28	3:44	3:44	4:07
Initial Reading (R _i):	5.8095	5.8098	3.5008	3.5006	6.6090	6.6073	4.5777	4.5783
Test End Time:	4:22	4:38	3:43	4:00	3:43	4:00	4:00	4:22
Final Reading (R _f):	5.8098	5.8100	3.5007	3.5008	6.6078	6.6060	4.5785	4.5786
Test Duration:	15 Min	15 Min	15 Min	15 Min	15 Min	15 Min	15 Min	15 Min
Change in Reading (R _f -R _i):	.0003	.0002	-.0001	.0002	-.0012	-.0013	.0008	.0003
Pass/Fail Threshold or Criteria:	+/- .002		+/- .002		+/- .002		+/- .002	
Was sensor removed for testing?	YES		YES		YES		YES	
Was sensor properly replaced and verified functional after testing?	YES		YES		YES		YES	

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

¹ If the entire depth of the UDC is not tested, specify how much was tested. If the answer to any of the questions indicated with an asterisk (*) is "NO" or "NA", the entire UDC must be tested. (See SWRCB LG-160)

8. FILL RISER CONTAINMENT SUMP TESTING

Facility is Not Equipped With Fill Riser Containment Sumps <input type="checkbox"/>				
Fill Riser Containment Sumps are Present, but were Not Tested <input type="checkbox"/>				
Test Method Developed By: <input type="checkbox"/> Sump Manufacturer <input checked="" type="checkbox"/> Industry Standard <input type="checkbox"/> Professional Engineer				
<input type="checkbox"/> Other (Specify)				
Test Method Used: <input type="checkbox"/> Pressure <input type="checkbox"/> Vacuum <input checked="" type="checkbox"/> Hydrostatic				
<input type="checkbox"/> Other (Specify)				
Test Equipment Used: INCON TS-ST5			Equipment Resolution: .0001	
	Fill Sump # 87	Fill Sump # DSL	Fill Sump #	Fill Sump #
Sump Diameter:	42	42		
Sump Depth:	48	58		
Height from Tank Top to Top of Highest Piping Penetration:	22	23		
Height from Tank Top to Lowest Electrical Penetration:	18	20		
Condition of sump prior to testing:	Fair	Fair		
Portion of Sump Tested	2" Above Highest Penetration			
Sump Material:	FG	FG		
Wait time between applying pressure/vacuum/water and starting test:	15 Min	15 Min		
Test Start Time:	12:37	12:54	12:54	1:10
Initial Reading (R _i):	2.7726	2.7723	3.6223	3.6215
Test End Time:	12:52	1:09	1:09	1:25
Final Reading (R _f):	2.7729	2.7716	3.6216	3.6204
Test Duration:	15 Min	15 Min	15 Min	15 Min
Change in Reading (R _f -R _i):	.0003	-.0007	-.0007	-.0011
Pass/Fail Threshold or Criteria:	+/- .002		+/- .002	
Is there a sensor in the sump?	Yes	Yes		
Does the sensor alarm when either product or water is detected?	Yes	Yes		
Was sensor removed for testing?	Yes	Yes		
Was sensor properly replaced and verified functional after testing?	Yes	Yes		

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

SWRCB, January 2002

Page ___ of ___

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes <input type="checkbox"/>				
Spill/Overfill Containment Boxes are Present, but were Not Tested <input type="checkbox"/>				
Test Method Developed By:	<input type="checkbox"/> Spill Bucket Manufacturer		<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer
	<input type="checkbox"/> Other (Specify)			
Test Method Used:	<input type="checkbox"/> Pressure		<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic
	<input type="checkbox"/> Other (Specify)			
Test Equipment Used: INCON TS-ST5			Equipment Resolution: .0001	
	Spill Box # DSL	Spill Box # 87	Spill Box #	Spill Box #
Bucket Diameter:	12"	12"		
Bucket Depth:	14"	13"		
Wait time between applying pressure/vacuum/water and starting test:		15 Min		
Test Start Time:		12:37	12:54	
Initial Reading (R _i):		5.3192	5.3184	
Test End Time:		12:52	1:09	
Final Reading (R _f):		5.3183	5.3188	
Test Duration:		15 Min	15 Min	
Change in Reading (R _f -R _i):		-.0009	.0004	
Pass/Fail Threshold or Criteria:		+/- .002		
Test Result:	Visual Fail	Pass		

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

Visual Fail on Diesel Bucket.

1-13-12 OGT
 Installed New OPW Overspill Bucket and
 Test-Passed.

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Capistrano Unified School District Capistrano Beach	Date of Testing: 1/13/2012
Facility Address: 26126 Victoria Blvd.	
Facility Contact: Carol White	Phone: 949-489-7349
Date Local Agency Was Notified of Testing:	
Name of Local Agency Inspector (if present during testing):	

2. TESTING CONTRACTOR INFORMATION

Company Name: ORANGE COUNTY TANK TESTING
Technician Conducting Test: Rich Ruston
Credentials ¹ : <input type="checkbox"/> CSLB Contractor <input checked="" type="checkbox"/> XICC Service Tech. <input type="checkbox"/> SWRCB Tank Tester <input type="checkbox"/> Other (Specify)
License Number(s): 517336 5246153-UT

3. SPILL BUCKET TESTING INFORMATION

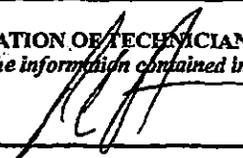
Test Method Used:	<input checked="" type="checkbox"/> Hydrostatic	<input type="checkbox"/> Vacuum	<input type="checkbox"/> Other	
Test Equipment Used: Visual	Equipment Resolution:			
Identify Spill Bucket: (By Tank Number, Stored Product, etc.)	1	2	3	4
	Diesel Fill			
Bucket Installation Type:	<input type="checkbox"/> Direct Bury <input checked="" type="checkbox"/> Contained in Sump	<input type="checkbox"/> Direct Bury <input type="checkbox"/> Contained in Sump	<input type="checkbox"/> Direct Bury <input type="checkbox"/> Contained in Sump	<input type="checkbox"/> Direct Bury <input type="checkbox"/> Contained in Sump
Bucket Diameter:	10.5"			
Bucket Depth:	13"			
Wait time between applying vacuum/water and start of test:	15 MIN.	15 MIN.	15 MIN.	15 MIN.
Test Start Time (T _i):	10:30			
Initial Reading (R _i):	4 7/8"			
Test End Time (T _f):	11:00			
Final Reading (R _f):	4 7/8"			
Test Duration (T _f - T _i):	30 min.			
Change in Reading (R _f - R _i):	- .00			
Pass/Fail Threshold or Criteria:	± .00			
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail				

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

Retest After Spill Package.

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature:  Date: 1/13/12

¹State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirement may be more stringent.

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA
SAN JUAN CAPISTRANO
1-800-984-6266

12/22/2011 12:52 PM

SUMP LEAK TEST REPORT

87 FB

TEST STARTED 12:37 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.3192 IN
END TIME 12:52 PM
END DATE 12/22/2011
END LEVEL 5.3183 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

87 FILL

TEST STARTED 12:37 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 2.7726 IN
END TIME 12:52 PM
END DATE 12/22/2011
END LEVEL 2.7729 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL FILL

TEST STARTED 12:37 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 3.6175 IN
END TIME 12:52 PM
END DATE 12/22/2011
END LEVEL 3.6224 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT INCREASED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA
SAN JUAN CAPISTRANO
1-800-984-6266

12/22/2011 1:09 PM

SUMP LEAK TEST REPORT

87 FB

TEST STARTED 12:54 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.3184 IN
END TIME 1:09 PM
END DATE 12/22/2011
END LEVEL 5.3188 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

87 FILL

TEST STARTED 12:54 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 2.7723 IN
END TIME 1:09 PM
END DATE 12/22/2011
END LEVEL 2.7716 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL FILL

TEST STARTED 12:54 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 3.6223 IN
END TIME 1:09 PM
END DATE 12/22/2011
END LEVEL 3.6216 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA
SAN JUAN CAPISTRANO
1-800-984-6266

12/22/2011 1:25 PM

SUMP LEAK TEST REPORT

87 FB

TEST STARTED 1:10 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.3187 IN
END TIME 1:25 PM
END DATE 12/22/2011
END LEVEL 5.3183 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

87 FILL

TEST STARTED 1:10 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 2.7720 IN
END TIME 1:25 PM
END DATE 12/22/2011
END LEVEL 2.7698 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT FAILED

DSL FILL

TEST STARTED 1:10 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 3.6215 IN
END TIME 1:25 PM
END DATE 12/22/2011
END LEVEL 3.6204 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA
SAN JUAN CAPISTRANO
1-800-984-6266

12/22/2011 1:52 PM

SUMP LEAK TEST REPORT

87 STP

TEST STARTED 1:37 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.3691 IN
END TIME 1:52 PM
END DATE 12/12/2011
END LEVEL 4.3715 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT INCREASED

DSL STP

TEST STARTED 1:37 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.8040 IN
END TIME 1:52 PM
END DATE 12/22/2011
END LEVEL 4.8047 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA
SAN JUAN CAPISTRANO
1-800-984-6266

12/22/2011 2:08 PM

SUMP LEAK TEST REPORT

87 STP

TEST STARTED 1:53 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.3714 IN
END TIME 2:08 PM
END DATE 12/22/2011
END LEVEL 4.3716 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL STP

TEST STARTED 1:53 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.8047 IN
END TIME 2:01 PM
END DATE 12/22/2011
END LEVEL 4.8049 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
TRANSPORTATION YARD
26126 VICTORIA
SAN JUAN CAPISTRANO
1-800-984-6266

12/22/2011 2:26 PM

SUMP LEAK TEST REPORT

87 STP

TEST STARTED 2:10 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.7716 IN
END TIME 2:25 PM
END DATE 12/22/2011
END LEVEL 4.3715 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

DSL STP

TEST STARTED 2:10 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.8050 IN
END TIME 2:25 PM
END DATE 12/22/2011
END LEVEL 4.8050 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO SCH DIST
2 LIBERTY
ALISO VIEJO CA 92656
1-949-489-7116

12/22/2011 3:17 PM

ALARM REPORT

12/22/2011 3:17 PM
PRINTER OUT OF PAPER

12/22/2011 3:17 PM
POWER UP

12/21/2011 1:05 PM
POWER DOWN

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 3:27 PM

ALARM REPORT

12/22/2011 3:27 PM
POWER DOWN

12/22/2011 3:27 PM
POWER UP

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 3:29 PM

SUMP LEVEL REPORT

SUMP D910 5.341 IN
SUMP D1112 3.501 IN
SUMP D1314 6.609 IN
SUMP D1516 4.500 IN

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 3:43 PM

SUMP LEAK TEST REPORT

D910

TEST STARTED 3:28 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.3423 IN
END TIME 3:43 PM
END DATE 12/22/2011
END LEVEL 5.3226 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT FAILED

D1112

TEST STARTED 3:28 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 3.5008 IN
END TIME 3:43 PM
END DATE 12/22/2011
END LEVEL 3.5007 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D1314

TEST STARTED 3:28 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 6.6090 IN
END TIME 3:43 PM
END DATE 12/22/2011
END LEVEL 6.6070 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D1516

TEST STARTED 3:28 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.5798 IN
END TIME 3:43 PM
END DATE 12/22/2011
END LEVEL 4.5778 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT FAILED

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 4:00 PM

SUMP LEAK TEST REPORT

D910

TEST STARTED 3:44 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.3130 IN
END TIME 4:00 PM
END DATE 12/22/2011
END LEVEL 5.2796 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT FAILED

D1112

TEST STARTED 3:44 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 3.5006 IN
END TIME 4:00 PM
END DATE 12/22/2011
END LEVEL 3.5003 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D1314

TEST STARTED 3:44 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 6.6073 IN
END TIME 4:00 PM
END DATE 12/22/2011
END LEVEL 6.6060 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D1516

TEST STARTED 3:44 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.5777 IN
END TIME 4:00 PM
END DATE 12/22/2011
END LEVEL 4.5705 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

01/01/012

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 4:06 PM

ALARM REPORT

12/22/2011 4:06 PM
POWER UP

12/22/2011 4:06 PM
POWER DOWN

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 4:22 PM

SUMP LEAK TEST REPORT

D910

TEST STARTED 4:07 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.8095 IN
END TIME 4:22 PM
END DATE 12/22/2011
END LEVEL 5.8098 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

D1516

TEST STARTED 4:07 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 4.5706 IN
END TIME 4:22 PM
END DATE 12/22/2011
END LEVEL 4.5706 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

CAPISTRANO UNIFIED
26126 VICTORIA
SAN JUAN CAPISTRANO

12/22/2011 4:38 PM

SUMP LEAK TEST REPORT

D910

TEST STARTED 4:23 PM
TEST STARTED 12/22/2011
BEGIN LEVEL 5.8098 IN
END TIME 4:38 PM
END DATE 12/22/2011
END LEVEL 5.8100 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

01/23/2012 08:46 FAX

Appendix VI

(Copies of Monitoring System Certification form and UST Monitoring Plot Plan available at <http://www.waterboards.ca.gov>)

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Capistrano Unified School District Capistrano Beach Bldg. No. _____
 Site Address: 26126 Victoria Blvd. City: Capistrano Beach Zip: 92624
 Facility Contact Person: Carol White Contact Phone No.: (949) 489-7349
 Make/Model of Monitoring System: veolvent TLS-550 Date of Testing/Serviceing: 12/22/2011

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: <u>21R36</u> <input checked="" type="checkbox"/> In-Tank Gauging Probe. Model: <u>MAG 1</u> <input checked="" type="checkbox"/> Annular Space or Vault Sensor. Model: <u>794970-760</u> <input checked="" type="checkbox"/> Piping Sump / Trench Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Fill Sump Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Mechanical Line Leak Detector. Model: <u>LD-2000</u> <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).	Tank ID: <u>UNLEAD</u> <input checked="" type="checkbox"/> In-Tank Gauging Probe. Model: <u>MAG 1</u> <input checked="" type="checkbox"/> Annular Space or Vault Sensor. Model: <u>794970-760</u> <input checked="" type="checkbox"/> Piping Sump / Trench Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Fill Sump Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Mechanical Line Leak Detector. Model: <u>LD-2000</u> <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).
Tank ID: _____ <input type="checkbox"/> In-Tank Gauging Probe. Model: _____ <input type="checkbox"/> Annular Space or Vault Sensor. Model: _____ <input type="checkbox"/> Piping Sump / Trench Sensor(s). Model: _____ <input type="checkbox"/> Fill Sump Sensor(s). Model: _____ <input type="checkbox"/> Mechanical Line Leak Detector. Model: _____ <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).	Tank ID: _____ <input type="checkbox"/> In-Tank Gauging Probe. Model: _____ <input type="checkbox"/> Annular Space or Vault Sensor. Model: _____ <input type="checkbox"/> Piping Sump / Trench Sensor(s). Model: _____ <input type="checkbox"/> Fill Sump Sensor(s). Model: _____ <input type="checkbox"/> Mechanical Line Leak Detector. Model: _____ <input type="checkbox"/> Electronic Line Leak Detector. Model: _____ <input type="checkbox"/> Tank/Overfill / High-Level Sensor. Model: _____ <input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).
Dispenser ID: <u>9-10</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).	Dispenser ID: <u>11-12</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).
Dispenser ID: <u>13-14</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).	Dispenser ID: <u>15-16</u> <input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u> <input checked="" type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).
Dispenser ID: _____ <input type="checkbox"/> Dispenser Containment Sensor(s). Model: _____ <input type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).	Dispenser ID: _____ <input type="checkbox"/> Dispenser Containment Sensor(s). Model: _____ <input type="checkbox"/> Shear Valve(s). <input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; (check all that apply): System set-up Alarm history report

Technician Name (print): Marty Schwartz Signature: [Signature]
 Certification No.: 133396 License No.: 517336
 Testing Company Name: Orange County Tank Testing Phone No.: (714) 776-0300
 Testing Company Address: 225 N. Loara Street, Anaheim, CA 92801 Date of Testing/Serviceing: 12/22/2011

D. Results of Testing/Serviceing

Software Version Installed: 16.02

Complete the following checklist:

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Is the audible alarm operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Is the visual alarm operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No* <input type="checkbox"/> N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? (Check all that apply) <input checked="" type="checkbox"/> Sump/Trench Sensors; <input checked="" type="checkbox"/> Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? <input checked="" type="checkbox"/> Yes; <input type="checkbox"/> No.
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? %
<input type="checkbox"/> Yes*	<input checked="" type="checkbox"/> No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
<input type="checkbox"/> Yes*	<input checked="" type="checkbox"/> No	Was liquid found inside any secondary containment systems designed as dry systems? (Check all that apply) <input type="checkbox"/> Product; <input type="checkbox"/> Water. If yes, describe causes in Section E, below.
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Was monitoring system set-up reviewed to ensure proper settings? Attach set up reports, if applicable
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Is all monitoring equipment operational per manufacturer's specifications?

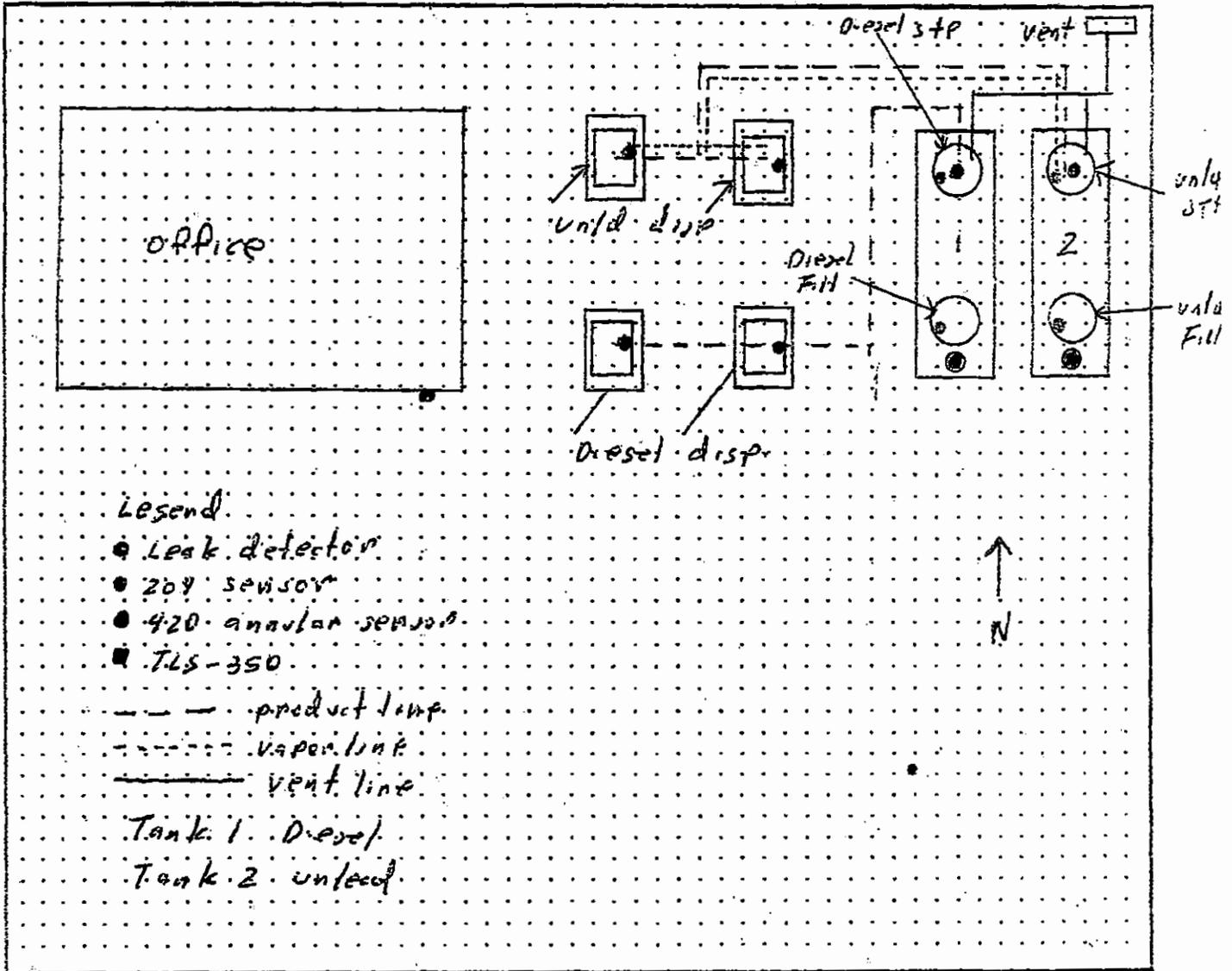
* In Section E below, describe how and when these deficiencies were or will be corrected.

E. Comments:

Tanks have flopper valves

UST Monitoring Site Plan

Site Address: 26126 Victoria



Legend

- Leak detector
- 209 sensor
- 420 analog sensor
- TLS-350
- product line
- - - vapor line
- · - vent line
- Tank 1 Diesel
- Tank 2 unleaded

Date map was drawn: ___/___/___

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

Mechanical Line Leak Detector Test Data Chart

Testing Company

WO #: _____
 Site Name: Capistrano Unified School District Cap
 Address: 26126 Victoria Blvd.
Capistrano Beach, California 92624
 Phone: 949-489-7349
 Contact: Carol White

Name: Orange County Tank Testing, Inc.
 Address: 225 N. Loara Street
Anaheim, CA 92801.
 Phone: (714) 776-0300

LEAK DETECTOR

#1 Make: VMI

#2 Make: VMI

Type / Model: LD-2000

Type / Model: LD-2000

Serial #: _____

Serial #: _____

#3 Make: _____

#4 Make: _____

Type / Model: _____

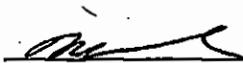
Type / Model: _____

Serial #: _____

Serial #: _____

Product	Full Operating Pressure PSI	Opening Time Seconds	Functional Element Holding PSI	Bleed Back ML	Metering Pressure PSI	Test Leak Rate ML / Minute GAL / HR	Pass	Fail
<u>UNLEAD</u>	<u>39</u>	<u>6</u>	<u>38</u>	<u>200</u>	<u>22</u>	<u>190/3</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>DIESEL</u>	<u>31</u>	<u>5</u>	<u>29</u>	<u>150</u>	<u>18</u>	<u>190/3</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Remarks:

Tester: Marty Schwartz
 Signature: 

License #: 93-1095
 Test Date: 12/22/2011

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: Capistrano Unified School District Capistrano Beach	Date of Testing: 1/13/2012
Facility Address: 26126 Victoria Blvd.	
Facility Contact: Carol White	Phone: 949-489-7349
Date Local Agency Was Notified of Testing:	
Name of Local Agency Inspector (if present during testing):	

2. TESTING CONTRACTOR INFORMATION

Company Name: ORANGE COUNTY TANK TESTING	
Technician Conducting Test: Rich Ruston	
Credentials ¹ : <input type="checkbox"/> CSLB Contractor <input checked="" type="checkbox"/> XICC Service Tech. <input type="checkbox"/> SWRCB Tank Tester <input type="checkbox"/> Other (Specify)	
License Number(s): 517336 5246183-UT	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used: <input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Vacuum <input type="checkbox"/> Other				
Test Equipment Used: Visual			Equipment Resolution:	
Identify Spill Bucket: (By Tank Number, Stored Product, etc.)	1 Diesel Fill	2	3	4
Bucket Installation Type:	<input type="checkbox"/> Direct Bury <input checked="" type="checkbox"/> Contained in Sump	<input type="checkbox"/> Direct Bury <input type="checkbox"/> Contained in Sump	<input type="checkbox"/> Direct Bury <input type="checkbox"/> Contained in Sump	<input type="checkbox"/> Direct Bury <input type="checkbox"/> Contained in Sump
Bucket Diameter:	10.5"			
Bucket Depth:	13"			
Wait time between applying vacuum/water and start of test:	15 MIN.	15 MIN.	15 MIN.	15 MIN.
Test Start Time (T _i):	10:30			
Initial Reading (R _i):	4 7/8"			
Test End Time (T _f):	11:00			
Final Reading (R _f):	4 7/8"			
Test Duration (T _f - T _i):	30 min.			
Change in Reading (R _f - R _i):	- .00			
Pass/Fail Threshold or Criteria:	± .00			
Test Result:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

RETEST AFTER SB989 FAILURE.

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: _____

Date: 1/13/12

¹State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirement may be more stringent.



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

DADIWY0DE
Page 1 of 2

PR0024884

CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 03/02/2017
Reinspection Date: N/A

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
Service: F03-REINSPECTION
Minh Le
HAZARDOUS WASTE SPECIALIST I
(714) 720-1327

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
Capistrano Unified School District Transportation
Facility
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

OPENING COMMENTS

INSPECTOR COMMENTS

On site for follow-up UST inspection. Permission to enter and inspect was given by William Condon, Maintenance & Trades Supervisor.

Meet with William Condon, Eric Berg, and Kent Smith from CUSD on site to check the Designated Operator's reports and to discuss the timeline for correcting the outstanding violation.

The monitoring panel is currently in alarm for the following sensor at this facility: L20- Annular Space Sensor-out Alarm, L21- Unleaded Fill Sensor-out Alarm, L22- Unleaded Turbine Sump Sensor-out Alarm, and T1 Probe Out Alarm. Western Pump was on site on 1/4/2017 in response to the alarms. The work order stated new wirings will be needed for all tank sensors and a quote will be given to CUSD for the work needed.

Reviewed the Designated Operator's (DO) monthly reports. The December alarm history printout was not available for review with the December DO report. Sensor-out alarms occurred in the months of October and November for L20, L21, and L22 self-cleared based on DO reports. Sensor-out alarms occurred on December 4th for L20, L21, and L22 was not addressed on the December's DO report. Please provide the correct tape reading for the December 2016 that correspond with the date of the DO report or provide a written explanation and correction statement to ensure all alarms will be addressed in the future.

Discussed the timeline for repairs with Mr. Condon, Mr. Berg, and Mr. Smith. Facility will continue to use the fuels until empty. The repair is currently scheduled to start in two weeks. Facility will keep this Agency updated with any changes.

VIOLATIONS OBSERVED

1106 - Designated operator properly conducted the monthly inspection and the reports are complete Failure to comply with the designated operator monthly inspection requirements. 23 CCR 16 2715

Sensor-out alarms occurred on December 4th for L20, L21, and L22 was not addressed on the December's DO report, dated 12/15/2016. Please provide the correct tape reading for the December 2016 that correspond with the date of the DO report or provide a written explanation and correction statement to ensure all alarms will be addressed in the future. Violation must be corrected within 30 days of this report.



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5811
(714) 433-6000
ochealthinfo.com/eh

DADIWY0DE
Page 2 of 2

PR0024884

**CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
Inspection Date: 03/02/2017
Reinspection Date: N/A

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.



INSPECTION REPORT
 County of Orange, Health Care Agency, Environmental Health
 1241 EAST DYER ROAD, SUITE 120
 SANTA ANA, CA 92705-5611
 (714) 433-6000
 ochealthinfo.com/eh

PR0024884

CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
 Inspection Date: 02/03/2017
 Reinspection Date: 03/05/2017

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-REINSPECTION - OFF-SITE
 Minh Le
 HAZARDOUS WASTE SPECIALIST I
 (714) 720-1327

OPENING COMMENTS

INSPECTOR COMMENTS

The following leak detection equipment have not been certified annually due to wiring issues:

- Annular leak sensors
- Sump sensors
- UDC sensors

The sensors are currently not working according to manufacturer specification and must be repaired as soon as possible. Please submit any work orders associated with the repair and a repair plan (plan check), if one is required, within 10 days of receiving this report.

All violations must be corrected immediately.

1205 - Owner/Operator has tested and certified leak detection equipment annually Failure to certify leak detection equipment every 12 months and/or submit monitoring system certification to the CUPA within 30 days of the testing event. 23 CCR 16 2638

Facility did not certify the following leak detection equipments every 12 months: annular sensors, sump sensors, and UDC sensors. Violation must be corrected immediately and a monitoring certification must be performed within 30 days of this report.

1800 - Correct leak detection equip. installed for type of system & maintained in accordance w/ specs Failure to install leak detection equipment that is approved for the UST system and/or failure to operate and maintain the equipment in accordance with the manufacturer's specifications. 23 CCR 16 2638; HSC 6.7 25290.1, 25290.2, 25291

Facility did not maintain and operate the leak detection equipment according to the manufacturer's specification. Facility must correct the violation or submit a work order and plans for repair to this Agency within 10 days of this report.

CLOSING COMMENTS

Print Name and Title _____

Signature _____

Date _____



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/16/2016
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: A01-ROUTINE INSPECTION
 A Rashidi-Fard
 HAZARDOUS WASTE SPECIALIST III
 (714) 559-0107
 8:00-9:00 AM

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Inspector Comments:

On site to witness monitoring system certification testing activities and to conduct routine UST inspection.

Sensors were at the lowest point in the sumps.

Line leak detectors were tested and passed.

Spill buckets were tested visually without any changes in water level.

Site has flappers for overflow prevention.

Fail safe was not tested.

Annular, sump and UDC sensors could not be tested due possible wiring issues that cause "sensor out" alarms. Sensor out alarms have been occurring for a few months and cause for these alarms must be investigated and if necessary, plans be submitted to this agency.

Please be advised that this agency must be on site to witness testing of components that were not tested today.

Valid permit, designated operator documentation, monthly inspection reports, monitoring plan, response plan, employee training records, tank pages, certification of financial responsibility (expires 7/1/17), copies of monitoring system certification and secondary containment reports are maintained in Veeder Root panel enclosure and are available for review.

Please be advised that documents for this facility have been transferred to CERS and the updated certification of financial responsibility must be submitted within 30 days.

I declare that I have examined and received a copy of this inspection report.

COPY MAILED TO OWNER

Print Name and Title _____

AND/OR

Signature _____

FACILITY OPERATOR _____

Date _____



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/30/2015
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Alvin Dong
 HAZARDOUS WASTE SPECIALIST III
 (714) 640-9358
 7:00-9:00 a.m.
 adong@ochca.com

duplicate (pa) submission deleted

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/21/2015
 Reinspection Date: 01/20/2016

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT LEAD - INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: A01-ROUTINE INSPECTION
 Mark Sutphin
 HAZARDOUS WASTE SPECIALIST III
 (714) 720-1279
 7:00-9:30 a.m.
 msutphin@ochca.com

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

I205 - Owner/Operator has tested and certified leak detection equipment annually Failure to certify leak detection equipment every 12 months and/or submit monitoring system certification to the CUPA within 30 days of the testing event. 23 CCR 16 2638

The monitor certification was due by 12-19-15 but was performed 12-21-15. the violation has been abated. note that the monitor certification is due annually

Mark Sutphin at site to witness the annual monitoring system certification testing conducted by Martin Schwartz of OC Tank Testing Inc. The contractors certifications were reviewed and were current and valid.

The facility has 2 USTs (20000 gallon Diesel, 10000 gallon and a 87 unleaded)) with 2 UDCs for diesel and two UDCs for gasoline.

The Veeder-Root TLS-350 monitoring panel displayed "all functions normal" and audible and visual alarms were demonstrated operational. The panel was noted marked with a sticker from the most recent monitoring certification .

- The 87 Tank:10000 gal
- Fill / Turbine sump 208 sensor passed
- Annular420 sensor passed
- Fill side spill bucket passed visual hydrostatic test
- Flapper valve visually verified in fill
- MLLD passed line leak test

- The Diesel gallon Tank
- Fill / Turbine sump 208 sensor passed
- Annular 420 Sensor passed
- Fill side spill bucket passed visual hydrostatic test
- Flapper valve visually verified
- MLLD passed line leak test

The UDC 208 sensors triggered positive shutdown of the turbines when tested resulting in a pass. Sensor out, fail safe and the ESOs were tested and all had positive shutdown of the turbines.

SB989 test results at site dated 12-19-14

The three previous monitor certification test results were at site

Financial certification was reviewed at 32972 Calle Perfecto and was valid till 7-1-16

Monthly DO reports were reviewed at site. Owner statement of DO was dated 12-12-14

The previous monitor certification was done 12-19-14 so this monitor certification was three days late. Note that monitor certifications must be performed within one year.

One diesel UDC had about one quarter inch of diesel contained in it and it was cleaned up this date. the 208 sensor was properly positioned

All other sumps were free of liquid and the sensors were positioned at the low points

I declare that I have examined and received a copy of this inspection report **COPY MAILED TO OWNER**

AND/OR

FACILITY OPERATOR



CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
 Inspection Date: 12/21/2015

PR0024884

Print Name and Title _____

COPY MAILED TO OWNER

Signature _____

AND/OR

Date _____

FACILITY OPERATOR



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 09/29/2015
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Bri Dewey, REHS
 HAZARDOUS WASTE SPECIALIST III
 (657) 622-9434
 6:30-9:00 a.m.
 bdewey@ochca.com

Review of esubmit accepted

Financial responsibility insurance exp 7/1/2016

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 04/27/2015
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Bri Dewey, REHS
 HAZARDOUS WASTE SPECIALIST III
 (657) 622-9434
 6:30-9:00 a.m.
 bdewey@ochca.com

Review of UST info in e-submit, accepted this date.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 01/06/2015
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT LEAD - INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Bri Dewey, REHS
 HAZARDOUS WASTE SPECIALIST III
 (657) 622-9434
 6:30-9:00 a.m.
 bdewey@ochca.com

This Agency received and reviewed UST monitoring system and spill bucket testing report for activities conducted on 12/19/2014. All tested components passed.

This Agency received the secondary containment test report dated 12/19/2014. The test report appears consistent with the OCHCA-approved testing procedure submitted by ---Clean Air Testing

The following components PASSED testing:

- Tank annulars (2)
- Secondary piping (2)
- turbine sumps (2)
- Fill sump (2)
- UDC (4)
- Spill buckets Incon tested

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ **COPY MAILED TO OWNER**

Signature _____ **AND/OR** _____ Date _____

FACILITY OPERATOR



PR0024884

**CUUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT LEAD - INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Record ID: FA0025179
 Inspection Date: 12/19/2014
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: A01-ROUTINE INSPECTION
 Bri Dewey, REHS
 HAZARDOUS WASTE SPECIALIST III
 (657) 622-9434
 6:30-9:00 a.m.
 bdewey@ochca.com

Routine inspection conducted this date in regards to underground storage tank, consent to enter, inspect and take photographs was given by – Jacob Mannaert, facilities Monitoring system certification was conducted at this time. Tester name Martin Schwartz, business nam OC tank testing performed the monitor cert. Ensure submittal of monitor cert test results within 30 days.

Tester provided the following certifications: ICC Tech 5311570 exp 10/18/2016, the SB989 testing will also be performed this date.

The tank system is comprised of fuel UST's. The Veeder-Root monitoring panel showed all functions normal.

The following documents were available for review:

- CUPA Business Activities form, CUPA Business Owner / Operator Identification form
- CUPA UST Facility Information form, CUPA UST Tank Information forms, CUPA UST monitoring plan, CUPA UST response plan, Monitoring site map are available on-site.
- SB989 test results dated 12/20/13
- Monitor Cert test results dated 12/22/11
- DO reports
- Financial responsibility statement
- DO Statement showing Martin Schwartz exp 10/18/2016
- Employee Training dated-

This facility has notified to electronically UST, DO and CFR forms. Reviewed and discussed issues with Jacob Mannaert this date. Ensure that any updates to the DO and financial responsibility are kept updated in e-submit and a copy is maintained in the written documentation.

A copy of this report was e-mailed

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

COPY MAILED TO OWNER

Signature

AND/OR

Date

FACILITY OPERATOR



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 11/21/2014
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
 OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Bri Dewey, REHS
 HAZARDOUS WASTE SPECIALIST III
 (657) 622-9434
 6:30-9:00 a.m.
 bdewey@ochca.com

Review of e-submit

DO statement Martin Schwartz exp 10/2014, declined this date
 financial responsibility exp 7/1/2015 accepted

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



INSPECTION REPORT
 County of Orange, Health Care Agency, Environmental Health
 1241 EAST DYER ROAD, SUITE 120
 SANTA ANA, CA 92705-5611
 (714) 433-6000
 ochealthinfo.com/eh



DA\$000051
 Page 1 of 1

PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 10/16/2014
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
 OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT LEAD - INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Bri Dewey, REHS
 HAZARDOUS WASTE SPECIALIST III
 (657) 622-9434
 6:30-9:00 a.m.
 bdewey@ochca.com

Review of E-submit financial responsibility, declined at this time as the insurance is out of date.
 I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____

Date _____



PR0024884

CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
 Inspection Date: 12/20/2013
Reinspection Date:

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: **A01-ROUTINE INSPECTION**
 Dean Freed, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 640-9403
 7:00-9:00 AM
 dfreed@ochca.com

On-site to conduct a routine UST inspection during the annual monitoring system certification. Martin Schwartz of OC Tank Testing provided the following certifications: ICC Tech #5311570 exp 04/05/15, Veeder-Root tech B33396 exp 12/02/14, Triangle TEI System 5000W Tech TEI-058 exp 11/03/14. Dan Cherone (lead mechanic) was also present during this inspection.

Veeder-Root 208 sensors were in use in the sumps and UDCs and the system is monitored by a TLS-350. The sumps and UDCs were observed dry and the sensors were properly placed at the lowest point.

The following documents were available for review:

- Permit
- DO training 9/23/13
- CFR and insurance 7/1/14
- DO Statement 12/6/12
- Monitor Cert 12/20/12
- SB989 12/22/11
- DO reports
- Monitoring Plot Plan
- Facility Information 12/7/10
- Tank Information page 12/7/10
- Monitoring Plan 12/7/10
- Response Plan 12/7/10

This facility is required and has been notified to electronically submit UST, DO and CFR forms within 30 days of this inspection. Facility can submit forms electronically by going to www.esubmit.ocgov.com and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-834-2511.

A copy of this report will be sent to Dan Cherone (lead mechanic) via email to drcherone@capousd.org

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ohealthinfo.com/eh

PR0024884

**CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
Inspection Date: 12/20/2012
Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
Service: A01-ROUTINE INSPECTION
Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236
jkrall@ochca.com

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT LEAD - INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On site to conduct a routine UST inspection and witness the annual UST Monitoring System Certification and spill bucket testing. The testing technician was martin Schwarz, OC Tank Testing. His testing credentials were provided for review and were current.

Monitoring System Certification:

Positive shutdown / all UST sensors (UST annulars, fill sumps, turbine sumps, UDCs) tested and passed.
Fail safe test (removing power to the monitoring system to test for turbine automatic shut down) passed.
Sensor Out test passed.
UST has flapper valve for overfill protection
Leak detector (MLLD) certified.

Routine Inspection:

The UST documentation maintained on site and available for review included: UST Response Plan, UST Monitoring Plan, CUPA forms, Designated UST Operator (DO) monthly inspection reports, DO employee training records, UST test records, Certification of Financial Responsibility, and UST plot plan.

>>>>A copy of the facility's valid UST operating permit must be maintained on site.

This Agency received the facility's annual certification of financial responsibility for USTs, signed, witnessed, and dated 11-14-12. The certification is valid with an expiration date of 6-30-12 - the expiration date of the insurance mechanism used. >>Please provide an updated copy of the mechanism and/or certification on 6-30-13.

The UST DO conducting the monthly inspections was Martin Schwartz. His ICC certification was current with an expiration date of 10-26-14.

The facility's SB989 secondary containment testing was most recently conducted on 12-22-11. Testing is required once every 3 years.

U

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

Date



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/18/2012
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
 OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 640-9685
 jkrall@ochca.com

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the facility's updated owner statement of UST designated operator (DO). The primary DO was identified as Martin Schwartz of orange county tank testing Inc. His ICC certification was current with an expiration date of 10-26-14. Alternative DOs were identified.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 06/28/2012
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
 OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT TECH -INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 433-6236
 jkrall@ochca.com

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the statement of repair and the post repair spill bucket testing report for the diesel fill bucket on 1-13-12. The tested bucket passed. The violation (TM05) was corrected.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

**COPY MAILED TO OWNER
 AND/OR
 FACILITY OPERATOR**

Date



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 02/28/2012
 Reinspection Date: 03/29/2012

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 RISK MANAGEMENT TECH -INS DEPT
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 433-6236
 jkrall@ochca.com

TM05 - TANK Spill bucket did not pass testing. (CA Code of Regulations 25284.2)

The diesel fill bucket failed testing. Please submit a work order for the repair/replacement of the spill bucket to this Agency within 30 days.

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the facility's UST monitoring system certification and secondary containment testing report for activities conducted on 12-22-11. All tested components passed except for the diesel fill bucket and diesel secondary piping. The diesel secondary piping was repaired, retested 1-18-12; and passed.

**COPY MAILED TO OWNER
 AND/OR
 FACILITY OPERATOR**

I declare that I have examined and received a copy of this inspection report.

Print Name and Title

Signature

Date



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 12/22/2011
 Reinspection Date:

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: A01-ROUTINE INSPECTION
 Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 640-9685
 jkrall@ochca.com

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

On site to conduct a routine UST inspection and witness the Monitoring System Certification. The testing technician was martin Schwarz, OC Tank Testing. His testing credentials were provided for review and current.

Monitoring System Certification:

Positive shutdown / all UST sensors (UST annulars, fill sumps, turbine sumps, UDCs) tested and passed.
 Fail safe test (removing power to the monitoring system to test for turbine automatic shut down) passed.
 Sensor Out test passed.
 UST has flapper valve for overflow protection
 Leak detector (MLLD) certified.

Facility's SB989 secondary containment testing was being conducted this date.

Routine Inspection:

The UST documentation maintained on site and available for review included: UST Response Plan, UST Monitoring Plan, CUPA forms, Designated UST Operator (DO) monthly inspection reports, DO employee training records, UST test records, Certification of Financial Responsibility, and UST plot plan.

>>>>A copy of the facility's valid UST operating permit must be maintained on site.

>>>>A copy of the facility's 2009 and 2010 UST monitoring certifications were missing from the facility's on site test records. Please add copies to the records.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0024884

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179

Inspection Date: 07/06/2011

Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)

Service: **F04-FOLLOW-UP INSPECTION - OFF-SITE**

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the facility's annual certification of financial responsibility for USTs containing petroleum, signed witnessed and dated 6-23-11. The mechanism type was identified as insurance, Zurich policy number USC943584-03. The certification is valid 7-1-11 to 6-30-12.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____

COPY MAILED TO OWNER

AND/OR _____ Date _____

FACILITY OPERATOR



PR0024884

**CUSD TRANSPORTATION CENTER
 26126 VICTORIA BLVD
 CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
 Inspection Date: 05/31/2011
 Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)
 Service: F04-FOLLOW-UP INSPECTION -
 OFF-SITE

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

Joyce Krall, REHS
 HAZARDOUS WASTE SPECIALIST III
 (714) 640-9685
 jkrall@ochca.com

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the following documents for this facility:
 CUPA business owner / operator identification form, signed and dated 5-23-11
 CUPA UST response plan, signed and dated 1-6-09

Also, the CUPA UST facility information and UST tank information forms, both dated 12-7-10, were completed and resubmitted.

The violation TR02 was corrected.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0024884

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179

Inspection Date: 05/23/2011

Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)

Service: **F04-FOLLOW-UP INSPECTION - OFF-SITE**

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the following updated documents for this facility:

- CUPA Business Activities form
- CUPA UST Monitoring Plan, signed and dated 12-7-10
- CUPA UST Facility Information form, signed and dated 12-7-10
- CUPA UST Tank Information form, signed and dated 12-7-10
- Certification of Financial Responsibility, signed, witnessed, and dated 12-7-10.
- owner statement of UST designated operator, signed and dated 12-7-10

The primary UST DO was identified as Martin Schwartz, Orange County Tank Testing. His ICC certification was current with an expiration date of 10-30-12.

The monitoring plan was reviewed and approved of by this Agency.

The facility's annual certification of financial responsibility will expire on the facility's insurance policy expiration date of 7-1-10. A current certification will become due that date.

The violation (TR05) was corrected. The violation (TR02) is in process of correction.

>> Several forms were not complete and/or contained incorrect information. Please review, and verify the information. The submitted forms must be true:

- Facility Information -
- V. BOE #
- Tank information -
- V. primary containment
- V. secondary containment
- IX. needs applicant signature (tank 2)

- >>Please submit the updated CUPA Business Owner / Operator Identification form for this facility.
- >>Please submit the updated CUPA Response Plan for this facility.



I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____ **COPY MAILED TO OWNER**
AND/OR
FACILITY OPERATOR



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

v 2.7

Page 2 of 2

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
Inspection Date: 05/23/2011

PR0024884

Signature _____ Date _____



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

PR0024884

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179

Inspection Date: 02/14/2011

Reinspection Date:

Type of Facility: 7095-UNDERGROUND STORAGE TANK (PR)

Service: F04-FOLLOW-UP INSPECTION -
OFF-SITE

Joyce Krall, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6236

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
RISK MANAGEMENT TECH -INS DEPT
33122 VALLE RD
SAN JUAN CAPISTRANO, CA 92675

COMMENTS

ZZZ9 - INSPECTOR COMMENTS

This Agency received the facility's UST monitoring system certification and spill bucket test report for activities conducted on 12-20-10. All tested components passed.

(Handwritten mark)

I declare that I have examined and received a copy of this inspection report.

COPY MAILED TO OWNER

Print Name and Title _____ **AND/OR** _____

FACILITY OPERATOR

Signature _____ Date _____

SERVICE REQUEST - PROGRAM RECORD REQUEST

08/09/2006
8:02 am

SR0108354

7025 UST PLAN CHECK - EACH TANK MODIFICATION

FA0025179

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH

COMPLETION DATE

8-15-06

SUPERVISOR APPROVAL

[Signature]

ASSIGNED TO

EE0000272 Sharp

Steve

ASSIGNED DATE

03/02/2006

Service Request Action Taken

3/14/2006	A08	Sharp	Discussed plan check with Jan of Jem Industries. Amendments to the plan as discussed will be e-mailed.
3/28/2006	A08	Sharp	Reviewed revised plans and called JEM Industries to advise that I read the plans and they can schedule repairs. The plans will be stamped approved tomorrow. The plans inaccurately state dispenser 15/16 will be repaired. The Petcon report states dispenser 13/14 failed as well as dispenser 9/10. Mark will determine which dispenser it is during the repairs.
3/29/2006	A08	Sharp	copied and stamped plans called jan to advise they are ready for pickup
5/4/2006	1 A08	Sharp	Received fax from Jan regarding the revised proposed repair which now indicates all product piping is to be replaced. I advised Jan that detailed plans and drawings of the proposed repipe must be submitted. In addition the flexible piping must be UL971 approved. Discussed with Brenda Puepke. Jan will talk to Mark and revise the plans with additional detail.
5/5/2006	1 A08	Sharp	Received latest fax regarding SB989 repairs which states the new UL971 approved piping will be pulled through the existing conduits and therefore concrete will not need to be broken out. Telephone call to Jan Chase to update her and advise that the amendment is acceptable and a site map does not need to be submitted.
6/1/2006	1 A08	Sharp	Telephone call from Gerrod advising him that I will witness the primary and secondary test today at 1:00 PM in order to get the facility pumping gas again.

ENTERED AUG 16 2006

SR0108354

7025

UST PLAN CHECK - EACH TANK MODIFICATION

FA0025179

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH

COMPLETION DATE

SUPERVISOR APPROVAL

ASSIGNED TO

EE0000272

Sharp

Steve

ASSIGNED DATE

03/02/2006

Service Request Action Taken

6/1/2006 1 A08

Sharp

On-site to observe testing of the newly installed Environ flexible piping from the two dispensers to the diesel turbine sump.

Jerrold Holiday an ICC certified tester conducted the testing.

The primary line was tested at 75 psi. The secondary piping was pressure tested at 5 psi.

Both the primary and secondary have been pressurized since 8:30 PM last night.

The remaining secondary containment failures will be tested next week in order to facilitate the reopening of the facility.

A copy of this inspection report

6/7/2006 1 A08

Sharp

On-site for a follow up inspection to observe the completion of the SB989 retesting. JEM Industries conducted the testing.

The diesel and unleaded turbine sumps were tested and passed

The UDCs for dispenser 9/10 and 13/14 were tested and passed

The diesel flexible product piping was tested last week. The results will be included on one SB989 testing report.

A certificate of completion (form C) must be submitted documenting the repairs and certifying the completion.

When the testing results and certificate of completion are submitted this service request will be submitted for closure review.

SR0108354 7025 UST PLAN CHECK - EACH TANK MODIFICATION

FA0025179 C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH

COMPLETION DATE
SUPERVISOR APPROVAL

ASSIGNED TO EE0000272 Sharp Steve ASSIGNED DATE 03/02/2006

Service Request Action Taken

8/8/2006 1 a08 Sharp

Received the following documents for this facility:

1. January 17, 2006 Secondary Containment Testing Report
2. June 7, 2006 Secondary Containment Testing Report for retesting of the failed components after repairs.
3. Update of the Business Emergency Plan undated and not signed received on June 21, 2006
4. Copies of ICC certificates and Contractors License for JEM Industries.

~~This Agency witnessed the retesting of the failed secondary containment components on June 7, 2006. The testing was completed by JEM Industries. Submittal of the testing reports completes this service request.~~ The service request will now be evaluated for closure.

A copy of this inspection report was mailed to the above address.



UST INSTALLATION/MODIFICATION PLAN CHECK LIST

FACILITY NAME: CVSD

SERVICE REQUEST #: _____

ADDRESS: 26126 VICTORIA BLVD

CITY: CAPO BEACH

CONTRACTOR NAME: MARK STUCKES

COMPANY: JEM INDUSTRIES

CONTRACTOR PHONE NUMBER: 714-838-4100

CHECK ONE: INSTALLATION MODIFICATION

NUMBER, TYPE AND VOLUME OF TANKS INSTALLED _____

MODIFICATION IS FOR: SR 989 REPAIRS

	DATE COMPLETED	INITIAL
PLANS REVIEWED AND APPROVED	3-28-06	(S)
COPY OF CONTRACTOR LICENSE, HAZ. SUBSTANCE CERTIFICATION and ICC CERTIFICATION RECEIVED	3-28-06	(S)
UPC FORMS RECEIVED		
PASSED VACUUM TEST AND/OR HOLIDAY TEST (COMPOSITE TANKS ONLY)		
PASSED TANK PRESSURE TEST OR OTHER TEST AS SPECIFIED BY THE MANUFACTURER (PRODUCT, VENT, VAPOR)		
Primary		
Secondary		
PASSED PIPELINE PRESSURE TEST OR OTHER TEST AS SPECIFIED BY THE MANUFACTURER (PRODUCT, VENT, VAPOR)		
Primary		
Secondary	6-7-06	(S)
PASSED WATER/BRINE/VACUUM TEST - SUMPS/UDCs/SPILL BUCKETS	6-7-06	(S)
SUMPS EXTEND TO SURFACE OR APPLICATION/VAPOR BARRIER PRODUCT		
PASSED MONITORING SYSTEM INSPECTION - SENSORS (ANNULAR, SUMP, DISPENSERS, ETC.), LINE LEAK DETECTORS AND POSITIVE SHUTDOWN AND/OR FAILSAFE (IF APPLICABLE) DEMONSTRATED OPERATIONAL		
PASSED FINAL INSPECTION - ALL INFO REQUESTED FOR OPERATING PERMIT (INSTALLATION MATCHES PLANS - CONSTRUCTION IS COMPLETE)		
SOIL SAMPLE RESULTS RECEIVED AND FORWARDED TO GROUNDWATER (IF APPLICABLE)		
SYSTEM PASSED TANK/LINE INTEGRITY TEST OR ELD & RESULTS RECEIVED		
INSTALLATION OF PROPER OVERFILL PREVENTION (FLAPPER-TYPE DROPTUBE OR 90% HIGH LEVEL ALARM AND OUTSIDE ENUNCIATOR)		
UPDATED MONITORING PROCEDURE/CUPA FORMS RECEIVED		
INSTALLATION CERTIFICATION FORM RECEIVED, SIGNED BY OWNER		
INSPECTION REPORT COMPLETED AND SUBMITTED TO SUPERVISOR WITH UPDATED INFORMATION AND REQUEST TO CLOSE SR	6-7-06	(S)

STEVE SOHAR

INSPECTOR ON-SITE FOR INSTALLATION/MODIFICATION (PRINT NAME)

Slerys



COUNTY OF Orange Certified Unified Program Agency CUPA

Health Care Agency / Environmental Health Division
1241 E. Dyer Road, Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 FAX: (714) 754-1768

UST FACILITY MODIFICATION APPLICATION

SUBMIT A SEPARATE FORM FOR EACH TYPE OF CONSTRUCTION ACTIVITY

(e.g. Installations, Removals, System Modifications, Repairs, etc.)

SITE INFORMATION

FACILITY NAME: CUSD SUBMITTAL DATE: 3-2-06
ADDRESS: 26126 VICTORIA BLVD.
CITY: CAPO BEACH CITY CODE: _____ TELEPHONE NO: 949 489-7349
ZIP CODE: 92624 CONTACT NAME: CAROL WHITE

APPLICANT REQUESTOR

APPLICANTS NAME: JAN CHASE COMPANY NAME: JEM INDUSTRIES, INC.
ADDRESS: 1131 E. MAIN ST. STE. 200

CITY: TUSTIN

STATE: CA ZIP: 92780

TELEPHONE NO: 714 838-4100

ALTERNATE # (CELL, PAGER) 714 920-9323

x Jan Chase

APPLICANTS SIGNATURE (TANK OWNER OR DESIGNEE)

UPC UST Forms are required to be submitted prior to pick up of approved UST plans. Forms provided at Plan Check Counter or at <http://www.oc.ca.gov/hca/regulatory/cupa/forms.htm>

TYPE OF CONSTRUCTION

UST PLAN TYPE:

- | | |
|--|-------------|
| <input type="checkbox"/> INSTALLATION (S) # _____ | CODE
T01 |
| <input type="checkbox"/> CLOSURE (S) - REMOVAL (S) # _____ | T02 |
| <input checked="" type="checkbox"/> SYSTEM MODIFICATION (REPIPE, REPAIR TO PIPING) | T03 |
| <input type="checkbox"/> REPAIR (S) OR RELINE (S) USTS | T04 |
| <input type="checkbox"/> OTHER (SPECIFY) _____ | T05 |

CONTRACTOR INFORMATION

(Persons performing work on USTs must meet specific State Contractors Licensing Board requirements)

CONTACT PERSON: MARK A. STROCKIS
BUSINESS NAME: JEM INDUSTRIES, INC.
ADDRESS: 1131 E. MAIN ST. STE - 200
CITY: TUSTIN
STATE: CA ZIP: 92780
TELEPHONE NO: 714 838-4100
CONTRACTORS LICENSE TYPE: R-HAZ
CONTRACTORS STATE LICENSE #: 706560

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED

SR # 010 8354 PE: 7025 FEES PAID: 384- CHECK # 12099 RCVD BY: W
PLAN APPROVAL DATE: 3-29-06 OFFICE USE ONLY: 190 300549 3-2-06
ENTERED MAR 2 2006 FA # 010 25179



NOT TO SCALE

APPROVED

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
THIS APPROVAL IS VALID FOR 12 MONTHS FROM
THE APPROVAL DATE:

Shoop 3-27-06 SR6108354
Plan Reviewed By Date Plan #

This approval shall not be construed to permit the violation of any law, nor does it prevent further corrections of errors found on the plans. Plans must be resubmitted for approval if any additional changes are made by the applicant.

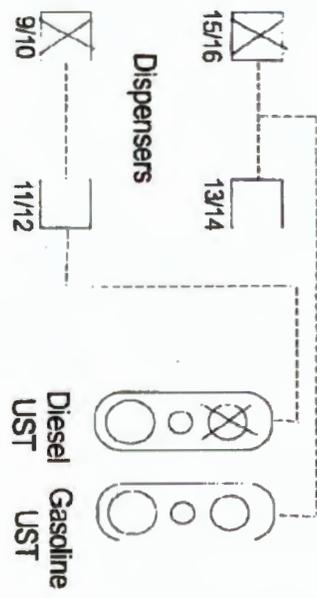
In addition to this approval, all applicable permits required by the local fire department, building department and the Air Quality Management District must be obtained.

Underground tank installation, removal and repair inspections are required and must be scheduled 48 hours in advance. Contact this office at (714) 433-6000 for an appointment.

A copy of these approved plans must be available at the site at all times.



Victoria Blvd.



RECEIVED HCARH
MAR 17 2006
ENVIRONMENTAL HLTH

Site Name
Capo USD Transportation Yard
26126 Victoria Blvd.
Capo Beach, CA 92624

JEM
INDUSTRIES, INC.
1131 E. Main St., Ste. 200
Tustin, CA 92780-4416
Phn. (714) 838-4100
Fax. (714) 838-4120

Project No. 8073
Date 3/16/06
Drawn By JNC
Checked By MAS
Rev. No. 00

Plot
Plan

THE NATIONAL BUREAU OF STANDARDS
DEPARTMENT OF COMMERCE
WASHINGTON, D. C. 20540



ENVIRONMENTAL & INDUSTRIAL SERVICES

1131 E. Main St., Ste. 200, Tustin, CA 92780

Phone (714) 838-4100 Fax (714) 838-4120

A-HAZ Lic. 786560

Secondary Containment Repair Workplan

Site Location

CUSD Transportation Yard
26126 Victoria Blvd.
Capo Beach, CA 92624

Prepared for:
Orange County Health Care Agency
Environmental Health Department
1241 E. Dyer Rd.
Santa Ana, CA 92705

March 2, 2006

RECEIVED HCA/RH
MAR 2 - 2006
ENVIRONMENTAL HLTH

SITE INFO:

**CUSD Transportation Yard
26126 Victoria Blvd.
Capo Beach, CA 92624**

SECONDARY CONTAINMENT REPAIR

Scope of work includes:

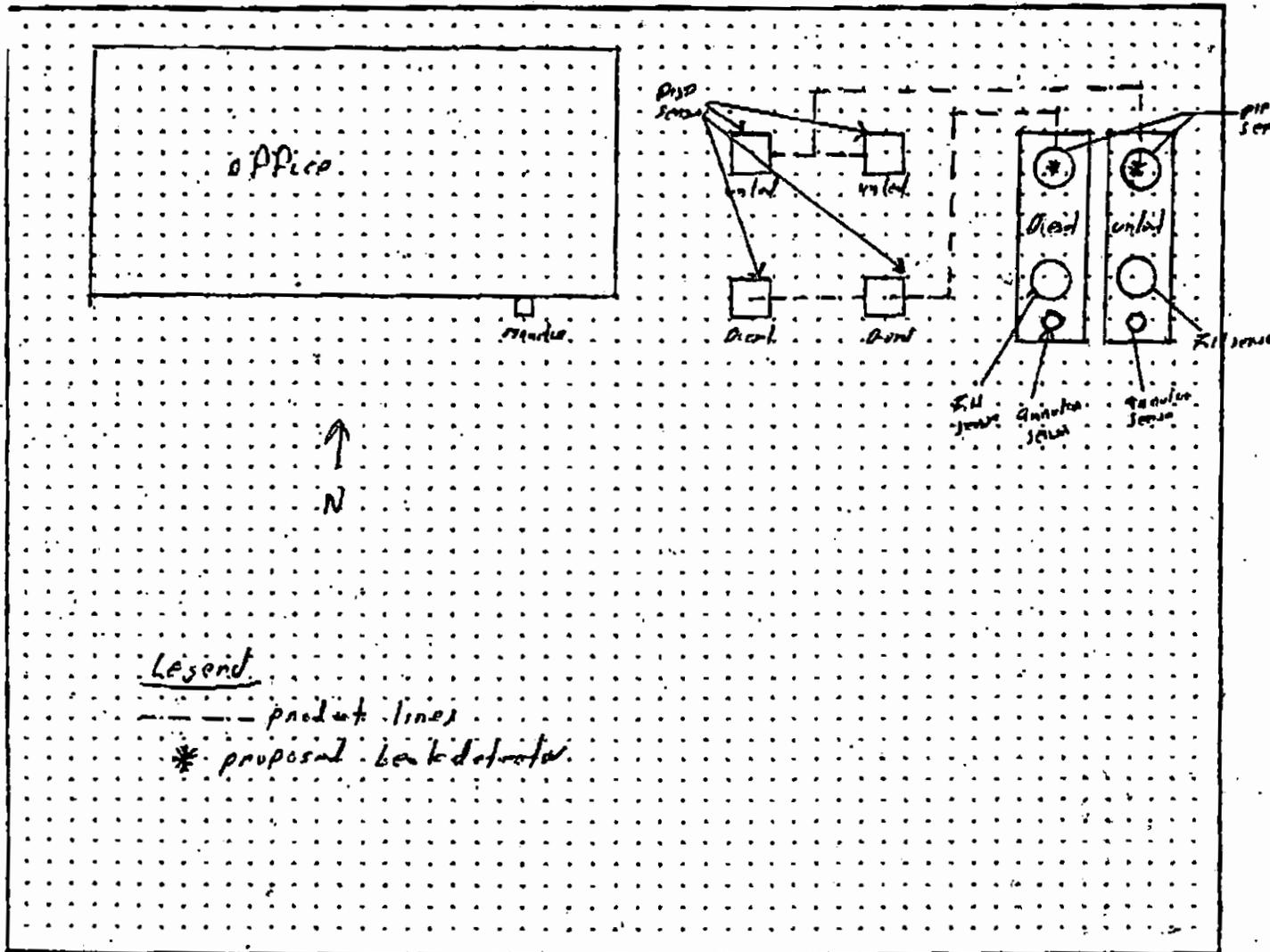
- * 87 3 DIESEL TURBINE SUMPS*
 - Provide new band clamps, clean, re-seal and reinstall Total Containment donuts in piping sumps.
- * DIESEL LINE*
 - Remove and replace Dispensers, provide new band clamps, Clean, re-seal and reinstall Secondary Test boots on Diesel Line.
- * DISPENSERS 9/10, 13/14 OR 15/16?*
 - Remove and replace Dispensers, provide new band clamps, Clean, re-seal and reinstall Total Containment donuts.
- TO BE SCHEDULED.*
 - Provide secondary containment testing on repaired components and personnel for all inspections and testing.

*T/C ALL STOCKS 3/28/06
- POSSIBLE ERROR ON WHICH DISPENSER
FAILED.*

Monitoring System Certification

UST Monitoring Site Plan

Site Address: 26126 U.C. 0019



Date map was drawn: 12/27/04

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

838-4120



ENVIRONMENTAL & INDUSTRIAL SERVICES
A-HAZ Lic. 786560 JEM-Industries.com
1131 E. Main St. Ste. 200, Tustin, CA 92780
Phone 714-838-4100 Fax 714-838-4120

Fax

To:	Steve Sharp	From:	Jan Chase
Of:	Environmental Health	Of:	JEM Industries Inc..
Fax:	714 754-1768	Pages:	1
Phone:	714 433-6225	Date:	May 5, 2006
Re:	CUSD SR#0108354	CC:	

Urgent For Review Please Comment Please Reply

• Comments:

Hi Steve,

We will not be breaking ground at the CUSD Transportation Yard, 26126 Victoria Blvd., Capo Beach. It is our intention to back flush the piping, remove diesel dispensers 9/10 and 11/12 and disconnect the piping by pulling it out through the sump from the ducting. This site has existing Total Containment flex pipe inside 4" ducting.

We will replace with Environ flex pipe (UL 971 certified) and other Environ parts as follows:

- GFP-2200B 2 inch GeoFlex-D supply piping
- STF-2215 Swivel tee fitting 2 inch x 2 inch x 1-1/2 inch
- SEF-2020 Swivel elbow fitting 2 inch
- SPC-0200 Swivel pipe coupling 2 inch
- RTB-0200 Reducer test boot 2 inch
- GCT-3812 12 inch connector tube

Because we are not breaking ground I understand we will not need soil samples. Based on this clarification of the repairs to be made, please let me know if you still need new drawings for the amendment to this service request.

Thanks,
Jan

RECEIVED HCA/RH
MAY 05 2006
ENVIRONMENTAL HLTH



ENVIRONMENTAL & INDUSTRIAL SERVICES
 A-HAZ Lic. 786560 JEM-Industries.com
 1131 E. Main St. Ste. 200, Tustin, CA 92780
 Phone 714-838-4100 Fax 714-838-4120

Fax

To: Steve Sharp	From: Jan Chase
Of: Environmental Health	Of: JEM Industries Inc..
Fax: 714 754-1768	Pages: 2
Phone: 714 433-6225	Date: May 3, 2006
Re: CUSD SR#0108354	CC:

Urgent For Review Please Comment Please Reply

● **Comments:**

Hi Steve,

I emailed the attached to you on 4/27/06, maybe you didn't receive the email so I am sending it by fax. Please let me know if we can go forward with the additional repairs needed at CUSD Victoria location.

Thanks,
Jan

RECEIVED HCA/RH
 MAY 03 2006
 ENVIRONMENTAL HLTH

Jan Chase

From: "Jan Chase" <Jan@JEM-industries.com>
To: "Steve Sharp" <ssharp@ochca.com>
Sent: Thursday, April 27, 2006 9:45 AM
Subject: SR 0108354 - CUSD Victoria Site

AMENDMENT TO SR 0108354

Capistrano Unified School District (CUSD)
26126 Victoria Blvd.
Capo Beach, CA 92624

Additional repair to the diesel UST will be made as follows:

Replace diesel product line between the tank and 1st dispenser and between the 1st and 2nd dispensers.

Parts list:

- ENVIRON GFP-2200B 2 inch GeoFlex-D supply piping
- ENVIRON STF-2215 Swivel tee fitting 2 inch x 2 inch x 1-1/2 inch
- ENVIRON SEF-2020 Swivel elbow fitting 2 inch
- ENVIRON SPC-0200 Swivel pipe coupling 2 inch
- ENVIRON RTB-0200 Reducer test boot 2 inch
- ENVIRON GCT-3812 12 inch connector tube

Site contact: Jerrod Holiday 714 493-5995

Should you have any questions or need additional information, please contact Jerrod at above mobile number or Jan at below office number.

Thanks,
Jan Chase
JEM Industries, Inc.
1131 E. Main Street, Ste. 200
Tustin, CA 92780
714 838-4100 phone
714 838-4120 fax
jan@jem-industries.com

RECEIVED HCA/RH

MAY 03 2006

ENVIRONMENTAL HLTH

4/27/2006

INTERNATIONAL CODE COUNCIL

MARK STROCKIS

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

CALIFORNIA UST SERVICE TECHNICIAN

given this day of July 8, 2005

Frank P. Hodge Jr.

Frank P. Hodge Jr.

President, ICC Board of Directors

James L. Witt

James L. Witt
ICC Chief Executive Officer

5246240-UT
Certificate Number



INTERNATIONAL CODE COUNCIL

MARK A STROCKIS

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

UST INSTALLATION/RETROFITTING

given this day of January 27, 2005

Frank P. Hodge Jr.

Frank P. Hodge Jr.

President, ICC Board of Directors

James L. Witt

James L. Witt
ICC Chief Executive Officer

5246240-U1
Certificate Number



State of California

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:

JEM INDUSTRIES INC



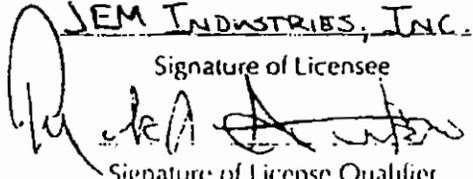
to engage in the business or act in the capacity of a contractor in the following classification(s):

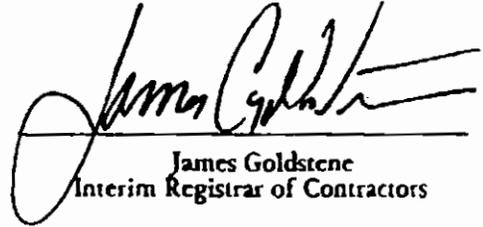
A - GENERAL ENGINEERING CONTRACTOR



Witness my hand and seal this day,
October 27, 2000

Issued October 26, 2000

JEM INDUSTRIES, INC.
Signature of Licensee

Signature of License Qualifier


James Goldstone
Interim Registrar of Contractors

786560

License Number

This license is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.

State Of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE



License Number **786560**

Entity **CORP**

Business Name **JEM INDUSTRIES INC**

Classification(s) **A HAZ**

Expiration Date **10/31/2006**



Secondary Containment Testing Report Form

This form is intended for use by contractors performing periodic testing of UST secondary containment systems. Use the appropriate pages of this form to report results for all components tested. The completed form, written test procedures, and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name: <u>San Juan Cuyup School District</u>	Date of Testing: <u>6-07-06</u>
Facility Address: <u>76126 Victoria Blvd</u>	
Facility Contact: <u>Carol White</u>	Phone: <u>(949) 489-7349</u>
Date Local Agency Was Notified of Testing: <u>6-06-06</u>	
Name of Local Agency Inspector (if present during testing):	

2. TESTING CONTRACTOR INFORMATION

Company Name: <u>JEM American Tank Testing</u>		
Technician Conducting Test: <u>Jerrod Holiday/Chad Coca/Keith Bambrick</u>		
Credentials: <u>X CSLB Licensed Contractor</u>	<u>X SWRCB Licensed Tank Tester</u>	
License Type: <u>A-HAZ 786560</u>	License Number: <u>93-1185</u>	
Manufacturer Training		
Manufacturer	Component(s)	Date Training Expires
<u>MODERN WELDING</u>	<u>INSTALLATION & TESTING</u>	<u>07/2005</u>
<u>XERXES</u>	<u>INSTALLATION & TESTING</u>	<u>11/2005</u>
<u>ENVIRON</u>	<u>INSTALLATION & TESTING</u>	<u>11/2005</u>
<u>INCON</u>	<u>LEVEL 4 OPERATION & TROUBLE SHOOTING</u>	<u>10/2005</u>

3. SUMMARY OF TEST RESULTS

Component	Pass	Fail	Not Tested	Repairs Made	Component	Pass	Fail	Not Tested	Repairs Made
<u>UDC 9.10</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>UDC 13.14</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Pipe Soap Diesel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Pipe Soap Gas</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Diesel sec. line</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>passed approval 6-1-06</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If hydrostatic testing was performed, describe what was done with the water after completion of tests: sucked up and reused

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

To the best of my knowledge, the facts stated in this document are accurate and in full compliance with legal requirements

Technician's Signature: [Signature]

Date: 6-7-06

SWRCB, January 2002

Page 3 of 5

6. PIPING SUMP TESTING

Test Method Developed By:	<input type="checkbox"/> Sump Manufacturer	<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer	
	<input type="checkbox"/> Other (Specify)			
Test Method Used:	<input type="checkbox"/> Pressure	<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic	
	<input type="checkbox"/> Other (Specify) INCON TS-ST5			
Test Equipment Used:	INCON TS-ST5		Equipment Resolution: .002	
	Sump # 07	Sump # Diesel	Sump #	Sump #
Sump Diameter:	42"	42"		
Sump Depth:	62"	64"		
Sump Material:	Fiberglass	Fiberglass		
Height from Tank Top to Top of Highest Piping Penetration:	20"	21"		
Height from Tank Top to Lowest Electrical Penetration:	22"	22"		
Condition of sump prior to testing:	Good	Good		
Portion of Sump Tested	26"	24"		
Does turbine shut down when sump sensor detects liquid (both product and water)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Turbine shutdown response time	N/A	N/A		
Is system programmed for fail-safe shutdown?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Was fail-safe verified to be operational?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Wait time between applying pressure/vacuum/water and starting test:	15 min	15 min		
Test Start Time:	10:02	10:02		
Initial Reading (R _i):	6.3474	2.0073		
Test End Time:	10:18	10:18		
Final Reading (R _f):	6.3473	2.0072		
Test Duration:	15 min ± 2	15 min ± 2		
Change in Reading (R _f -R _i):	-0.0001	-0.0001		
Pass/Fail Threshold or Criteria:	.002	.002	.002	.002
Test Result:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Was sensor removed for testing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Was sensor properly replaced and verified functional after testing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

SWRCB, January 2002

Page 4 of 5

7. UNDER-DISPENSER CONTAINMENT (UDC) TESTING

Test Method Developed By:	<input type="checkbox"/> UDC Manufacturer	<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer
	<input type="checkbox"/> Other (Specify)		
Test Method Used:	<input type="checkbox"/> Pressure	<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic
	<input type="checkbox"/> Other (Specify)		
Test Equipment Used:	INCON TS-ST5		Equipment Resolution: .002
	UDC# 910	UDC# 1314	UDC#
UDC Manufacturer:	Total Cont	Total Cont	
UDC Material:	Poly	Poly	
UDC Depth:	31"	31"	
Height from UDC Bottom to Top of Highest Piping Penetration:	10"	10"	
Height from UDC Bottom to Lowest Electrical Penetration:	20"	20"	
Condition of UDC prior to testing:	good	good	
Portion of UDC Tested	lower 14"	lower 14"	
Does turbine shut down when UDC sensor detects liquid (both product and water)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Turbine shutdown response time	N/A	N/A	
Is system programmed for fail-safe shutdown?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Was fail-safe verified to be operational?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Wait time between applying pressure/vacuum/water and starting test	15min	15min	
Test Start Time:	10:02	10:12	
Initial Reading (R _i):	1.1067	2.0515	
Test End Time:	10:18	10:18	
Final Reading (R _f):	1.1066	2.0498	
Test Duration:	15min x 2	15min x 2	
Change in Reading (R _f -R _i):	-.0001	-.0017	
Pass/Fail Threshold or Criteria:	.002	.002	.002
Test Result:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Was sensor removed for testing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Was sensor properly replaced and verified functional after testing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

SAN JAUN CAPO
26126 VICTORIA
CAPO BEACH

06/09/2006 10:18 AM

SUMP LEAK TEST REPORT

UDC9.10

TEST STARTED 10:02 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 1.1067 IN
END TIME 10:18 AM
END DATE 06/09/2006
END LEVEL 1.1066 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

UDC13.

TEST STARTED 10:02 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 2.0515 IN
END TIME 10:18 AM
END DATE 06/09/2006
END LEVEL 2.0498 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

P.S.DSL

TEST STARTED 10:02 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 2.0073 IN
END TIME 10:18 AM
END DATE 06/09/2006
END LEVEL 2.0072 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

P.S.GAS

TEST STARTED 10:02 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 6.3474 IN
END TIME 10:13 AM
END DATE 06/09/2006
END LEVEL 6.3473 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

SAN JAUN CAPO
26126 VICTORIA
CAPO BEACH

06/09/2006 10:35 AM

SUMP LEAK TEST REPORT

UDC9.10

TEST STARTED 10:19 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 1.1066 IN
END TIME 10:35 AM
END DATE 06/09/2006
END LEVEL 1.1067 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

UDC13.

TEST STARTED 10:19 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 2.0500 IN
END TIME 10:35 AM
END DATE 06/09/2006
END LEVEL 2.0496 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

P.S.DSL

TEST STARTED 10:19 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 2.0074 IN
END TIME 10:35 AM
END DATE 06/09/2006
END LEVEL 2.0075 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

P.S.GAS

TEST STARTED 10:19 AM
TEST STARTED 06/09/2006
BEGIN LEVEL 6.3472 IN
END TIME 10:35 AM
END DATE 06/09/2006
END LEVEL 6.3473 IN
LEAK THRESHOLD 0.002 IN
TEST RESULT PASSED

SERVICE REQUEST - PROGRAM RECORD REQUEST

05/20/2005
9:54 am

SR0106592 7025 UST PLAN CHECK - EACH TANK MODIFICATION

FA0025179 C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH

COMPLETION DATE

6-1-05

SUPERVISOR APPROVAL

[Signature]

ASSIGNED TO EE0000272 Sharp

ASSIGNED DATE 01/05/2005

Service Request Action Taken

1/14/2005 A08 Sharp plan check review and approval, telephone call to John Grna

5/20/2005 A08 Sharp *completed checklist, reviewed monitoring system certification results. FO4 inspection report attached.*

ENTERED JUN 8 2005



UST INSTALLATION/MODIFICATION PLAN CHECK LIST

closed
re
6-1-05

FACILITY NAME: CARISTANO SCHOOL DISTRICT

SERVICE REQUEST #: SR0106592

ADDRESS: 26126 VICTORIA BLVD

CITY: CARISTANO BEACH

CONTRACTOR NAME: OC TANK TRENK

COMPANY: LARRY HENRY

CONTRACTOR PHONE NUMBER: 714-776-0300

CHECK ONE: INSTALLATION MODIFICATION

NUMBER, TYPE AND VOLUME OF TANKS INSTALLED _____

MODIFICATION IS FOR: INSTALLATION OF LINE LEAK DETECTORS

	DATE COMPLETED	INITIAL
PLANS REVIEWED AND APPROVED	1-10-05	(Signature)
COPY OF PRIMARY CONTRACTOR AND SUBCONTRACTOR LICENSE AND HAZ. SUBSTANCE CERTIFICATION RECEIVED	1-10-05	(Signature)
PASSED VACUUM TEST (IF APPLICABLE)	---	---
PASSED HOLIDAY TEST (COMPOSITE TANKS ONLY)	---	---
PASSED TANK PRESSURE TEST OR OTHER TEST AS SPECIFIED BY THE MANUFACTURER	Primary	---
	Secondary	---
PASSED PIPELINE PRESSURE TEST OR OTHER TEST AS SPECIFIED BY THE MANUFACTURER	Primary	---
	Secondary	---
PASSED WATER TEST - TURBINE AND/OR FILL SUMPS	---	---
PASSED WATER TEST - UNDER DISPENSER CONTAINMENT/SPILL BOXES	---	---
PASSED MONITORING SYSTEM INSPECTION - SENSORS (ANNULAR, SUMP, DISPENSERS, ETC.), LINE LEAK DETECTORS AND POSITIVE SHUTDOWN (IF APPLICABLE) DEMONSTRATED OPERATIONAL	1-11-05	(Signature)
PASSED FINAL INSPECTION - ALL INFO REQUESTED FOR OPERATING PERMIT (INSTALLATION MATCHES PLANS - CONSTRUCTION IS COMPLETE)	5-20-05	(Signature)
SOIL SAMPLE RESULTS RECEIVED AND FORWARDED TO GROUNDWATER (IF APPLICABLE)	---	---
SYSTEM PASSED TANK/LINE INTEGRITY TEST AND RECEIVED RESULTS	---	---
INSPECTION REPORT COMPLETED AND SUBMITTED TO SUPERVISOR WITH UPDATED CUPA FORMS (IF APPLICABLE)	5-20-05	(Signature)
INSTALLATION CERTIFICATION FORM RECEIVED, SIGNED BY OWNER	---	---
INSTALLATION OF HIGH LEVEL ALARM (90%) AND OUTSIDE ENUNCIATOR	---	---
DATE UST(S) REMOVED (SR#)	---	---

STEVE SHAND
INSPECTOR ON-SITE FOR INSTALLATION/MODIFICATION (PRINT NAME)

**INSPECTION REPORT**

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

**C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624**

Record ID: FA0025179
Inspection Date: 05/20/2005
Type of Facility: 7025-UST PLAN CHECK - EACH TANK
MODIFICATION
Service: A08-TANK MODIFICATION INSPECTION

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

Reinspection Date:
Steve Sharp, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6225

SR#0106592

Received the 12-27-2004 monitoring system certification report which includes the installation of mechanical line leak detectors.

The line leak detectors were installed and tested on January 11, 2005.

The installation of the line leak detectors completes the modification for this Facility Modification Application

I declare that I have examined and received a copy of this inspection report.

Print Name and Title _____

Signature _____ Date _____

Steve Sharp



COUNTY OF ORANGE CERTIFIED UNIFIED PROGRAM AGENCY - CUPA

HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
2009 E. EDINGER AVENUE, SANTA ANA, CA 92705-4720

Telephone: (714) 667-3600 / FAX: (714) 568-5116

UST FACILITY MODIFICATION APPLICATION

SUBMIT A SEPARATE FORM FOR EACH TYPE OF CONSTRUCTION ACTIVITY

(e.g. Installations, Removals, System Modifications, Repairs, etc.)

SITE INFORMATION

FACILITY NAME: Capistrano School District SUBMITTAL DATE: 11/5/05
 ADDRESS: 26126 Victoria Blvd
 CITY: Capistrano Beach CITY CODE: _____ TELEPHONE NO: 949-489-7367
 ZIP CODE: 92624 CONTACT NAME: John

APPLICANT REQUESTOR

APPLICANTS NAME: Martin Schwartz COMPANY NAME: Orange Co. tank testing
 ADDRESS: 225 N. Lorna st
 CITY: Anaheim X [Signature]

APPLICANTS SIGNATURE (TANK OWNER OR DESIGNEE)

STATE: Cal ZIP: 92801
 TELEPHONE NO: 714-776-0300
 ALTERNATE # (CELL, PAGER) _____

UPC UST Forms are required to be submitted prior to pick up of approved UST plans. Forms provided at Plan Check Counter or at <http://www.oc.ca.gov/hca/regulatory/cupa/forms.htm>

TYPE OF CONSTRUCTION

UST PLAN TYPE:

- | | |
|--|----------|
| <input type="checkbox"/> INSTALLATION (S) # _____ | CODE T01 |
| <input type="checkbox"/> CLOSURE (S) - REMOVAL (S) # _____ | T02 |
| <input checked="" type="checkbox"/> SYSTEM MODIFICATION (REPIPE, REPAIR TO PIPING) | T03 |
| <input type="checkbox"/> REPAIR (S) OR RELINE (S) USTs | T04 |
| <input checked="" type="checkbox"/> OTHER (SPECIFY) <u>install leak detectors</u> | T05 |

CONTRACTOR INFORMATION

(Persons performing work on USTs must meet specific State Contractors Licensing Board requirements)

CONTACT PERSON: Larry Henry
 BUSINESS NAME: Orange Co. tank testing
 ADDRESS: 225 N. Lorna st
 CITY: Anaheim
 STATE: Cal ZIP: 92801
 TELEPHONE NO: 714-776-0300
 CONTRACTORS LICENSE TYPE: 661-040
 CONTRACTORS STATE LICENSE #: 517336

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED

OFFICE USE ONLY

SR # 00106592 PE: 7025 FEES PAID: 348 CHECK # 11338 RCVD BY: hl
 PLAN APPROVAL DATE: 1-10-05 BY: Sharp FA # 0025179



INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120 SANTA ANA, CA 92705-5611
(714) 433-6000

C U S D TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Mailing Address:
CAPISTRANO UNIFIED SCHOOL DIST
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

Record ID: FA0025179
Inspection Date: 05/20/2005
Type of Facility: 7025-UST PLAN CHECK - EACH TANK
MODIFICATION
Service: A08-TANK MODIFICATION INSPECTION

Reinspection Date:

Steve Sharp, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 433-6225

SR#0106592

Received the 12-27-2004 monitoring system certification report which includes the installation of mechanical line leak detectors.

The line leak detectors were installed and tested on January 11, 2005.

The installation of the lone leak detectors completes the modification for this Facility Modification Application

I declare that I have examined and received a copy of this inspection report.

Print Name and Title COPY MAILED TO ABOVE ADDRESS

Signature _____ Date _____

ORANGE COUNTY TANK TESTING INC.
225 N. LOARA ST.
ANAHEIM, CA 92801
714-776-0300
FAX 714-778-5105

TO: ORANGE CO. HEALTH DEPT.

ATTN: STEVE SHARP

FROM: MARTIN SCHWARTZ

SCOPE OF WORK:

TO FURNISH AND INSTALL MECHANICAL LEAK DETECTORS ON DIESEL AND UNLEADED TURBINES. LEAK DETECTORS SHALL BE VAPORLESS MFG. MODEL LD-2000.

APPROVED

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENT HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
THIS APPROVAL IS VALID FOR 12 MONTHS FROM
THE APPROVAL DATE

Sharp 1-10-05 SR0106 592
Plan Reviewed By Date Plan #

NOTICE
ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT SECTION

This approval shall not be construed to permit the violation of any law, nor does it prevent further corrections of errors found on the plans. Plans must be resubmitted for approval if any additional changes are made by the applicant.

In addition to this approval, all applicable permits required by the local fire department, building department, and the Air Quality Management District must be obtained.

Underground tank installation, removal, and repair inspections are required and must be scheduled 48 hours in advance. Contact (714) 667 - 3600 for an appointment.

A copy of these approved plans must be available at the site at all times.

Final inspection of the continuous leak detector system for the underground tanks at this facility is required. Contact this office to schedule an inspection 48 hours in advance. Telephone (714) 667 - 3600

RECEIVED
R JAN 05 2005 D

ENVIRONMENTAL HEALTH

WILLIAM
WILLIAM B. HALL

WILLIAM B. HALL

TANK INFORMATION

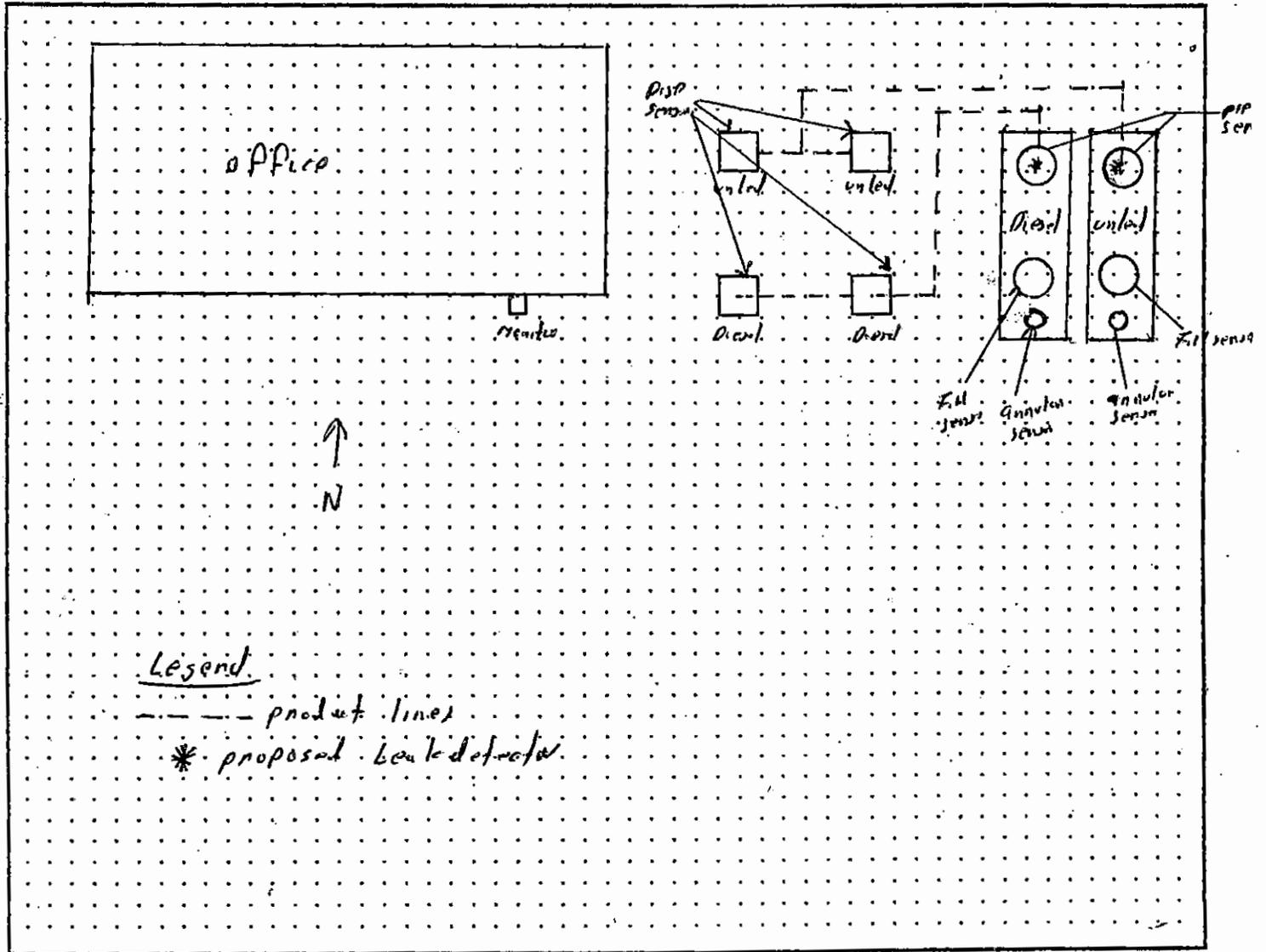
PROVIDE THE INFORMATION BELOW FOR ALL TANKS AND PIPING SYSTEMS TO BE INSTALLED, REMOVED OR REPAIRED. ALSO INDICATE THE UPGRADE/CHANGES TO BE MADE TO EACH TANK SYSTEM.

TANK I.D.			#1	#2	#3	#4	
MATERIAL STORED	MATERIAL OR WASTE STORED	CURRENTLY	<i>unlead</i>	<i>Diesel</i>			
		PROPOSED					
		PREVIOUSLY					
FUEL TYPE, I.E., UNLEADED			<i>unlead</i>	<i>Diesel</i>			
C O N T A I N E R	TYPE (TANK, SUMP, OTHERS)		<i>Tank</i>	<i>Tank</i>			
	DOUBLE WALL/SINGLE WALL		<i>DW</i>	<i>DW</i>			
	UL NUMBER						
	YEAR INSTALLED						
	VAULTED/NOT VAULTED						
	PRIMARY	MANUFACTURER		<i>Modern</i>	<i>Modern</i>		
		CAPACITY (GALLONS)		<i>10,000</i>	<i>20,000</i>		
		CONSTRUCTION MATERIAL		<i>steel</i>	<i>steel</i>		
		THICKNESS (UNITS)					
		INTERIOR LINING					
	SECONDARY	MANUFACTURER		<i>Modern</i>	<i>Modern</i>		
		CAPACITY (GALLONS)					
		CONSTRUCTION MATERIAL		<i>Fiberglass</i>	<i>Fiberglass</i>		
		THICKNESS (UNITS)					
	CORROSION PROTECTION						
TYPE OF LEAK DETECTION FOR USTs (LIQUID, PROBE, ETC.)		<i>sensor</i>	<i>sensor</i>				
MANUFACTURER OF LEAK DETECTOR		<i>Vealcraft</i>	<i>Vealcraft</i>				
P I P I N G	LOCATION (UNDER/ABOVE GROUND)		<i>under</i>	<i>under</i>			
	SUCTION/PRESSURE GRAVITY/UNKNOWN		<i>P</i>	<i>P</i>			
	PRIMARY	CONSTRUCTION MATERIAL	<i>Fiberglass</i>	<i>Fiberglass</i>			
		MANUFACTURER	<i>AMERON</i>	<i>AMERON</i>			
	SECONDARY	CONSTRUCTION MATERIAL	<i>Fiberglass</i>	<i>Fiberglass</i>			
		MANUFACTURER	<i>AMERON</i>	<i>AMERON</i>			
	TYPE OF LEAK DETECTION FOR PIPING (PRESSURE LOSS DEVICE, ETC.)		<i>proposed</i>	<i>proposed</i>			
	MANUFACTURER OF LEAK DETECTOR		<i>" "</i>	<i>" "</i>			
OVERFILL PROTECTION (TYPE)		<i>Drop tube</i>	<i>Drop tube</i>				
SPILL CONTAINMENT (TYPE)		<i>spill box</i>	<i>spill box</i>				

Monitoring System Certification

UST Monitoring Site Plan

Site Address: 26126 U. of Texas



Date map was drawn: 12/27/04

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

VMI

LD2000

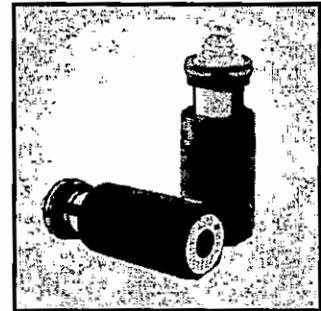
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99 LD-2000 New Series

**Highest Performance,
Most Requested Mechanical Line Leak Detector
Built Today!!**

- ✦ Any Fuel*
- ✦ Any Pump*
- ✦ Any Pipeline System*
- ✦ Longest Length Pipeline System *
- ✦ Largest Volume Pipeline System *
- ✦ Integrated Check Valve / Pressure Relief

*see technical specification


[Up](#)
[Products](#)
[Warranty](#)
[Sales Rep](#)
[Installation](#)
[Technical](#)
[Certifications](#)

The 99 LD-2000 is now the most requested mechanical line leak detector built today. New engineering and the VMI 2-year warranty (after installation) make the 99 LD-2000 more attractive to station operators today than ever before. Not only is the 99 LD-2000 less expensive to own, it is faster and less subject to field and line variables than ever before!

Integrated In-Line Check Valve / Pressure Relief

Leaking check valves in the turbine, defective submersible pump pressure relief, or a defective bypass valve will allow the line system to depressurize, resetting the leak detector. Drain-back into the pump or thermal contraction will cause vapor pockets to form. Vapor pockets increase the length of time it takes for a leak detector to open to full flow. Pump problems such as these result in slow flow and technical support calls. The resulting service costs and customer dissatisfaction all take away from the bottom line - making money.

The 99 LD-2000 Is The Only Leak Detector Capable Of Holding Line Pressure After The Pump Is Off-Even With Pump Component Wear or Failure.

In addition to the submersible pump problems encountered without an in-line check valve, the metering portion of the leak detector is hammered by hydraulic shock. This results in many leaks going undetected. Those leak detectors are just not equipped for the job you purchased them for.

The 99 LD-2000 is the answer you have been looking for. VMI leak

detectors, with an integrated check valve and pressure relief valve will save money and reduce customer frustration at the dispenser and reduce service calls.

The 99 LD-2000 Has A Higher Level Of Performance Over A broader Range of Burial Depth, Line Length, And Piping System Types Than Any Other Leak Detector.

Additional Features

- ✦ Over 20% increased flow capacity
- ✦ Guaranteed for 24 months from date of installation to detect 3 GPH @ 10 PSI leak
- ✦ One Way Poppet flow path
- ✦ Reverse Ratio Piston / Poppet combination
- ✦ Smaller Volume - Faster Response piston size
- ✦ Shortest profile leak detector available for "tight" installations
- ✦ All fuels (gasoline - diesel - alcohol)
- ✦ All pipelines (flexible - fiberglass - steel) up to 400 ml. resiliency
- ✦ Exceeds EPA regulations (3 GPH @ 10 PSI)
- ✦ Detects leaks up to 10' above the leak detector
- ✦ Installs with 2 1/16" six point socket or pipe wrench

Increased Flow Capacity

- ✦ The 99 LD-2000 has maximized the flow and flow path in existing, older submersible pump heads. This new design allows over 20% more flow than previous LD -2000 models, maximizing pump performance for earlier pump heads.

Longest Guarantee

- ✦ The 99 LD-2000 shares the longest guarantee available in the industry, along with all other VMI 99 LD-2000 series leak detectors. For 24 months from date of installation, the LD-2000 is guaranteed to see 3 GPH @ 10 PSI leak

"One Way" Poppet Flow Path

- ✦ The "One Way" Poppet Flow Path isolates pump turbulence from line leak detection at pump startup. The hardened stainless steel poppet does not dimensionally change because of thermal conditions encountered during station operation (precision metering change is insignificant down to -20° F).

Reverse Ratio Piston / Poppet Combination

- ✦ Reverse Ratio means the leak detector has a smaller diameter piston area (smaller than the poppet it is attached to). This smaller piston area keeps the leak detector in the fast fill position (2 GPM) to a higher pressure while compressing vapor pockets and stretching flexible lines faster. *This means less time to full flow!* The leak detector does not have to completely reset (as with competitive leak detectors) for the

poppet to be forced into the reset mode at pump startup.

“Smaller Volume / Faster Response” Piston Size

- ✦ With a reduced piston size, there is one fourth the volume to replace when in leak search and one fourth the volume to return to the line when the pump turns off. This combination makes for a more responsive and faster leak detector. Less volume to leave the line for the leak detector to reset and catch leaks. *Less volume to fill and provide full flow for dispensing!*

Superior Flex-Pipe Performance

- ✦ The reduced surface area of the piston significantly reduces the surface area exposed to hydraulic line shock. This results in enhanced performance with steel and fiberglass pipe, and *especially with today's flexible pipe.*

Shortest Leak Detector Profile

- ✦ The 99 series leak detectors are the lowest profile leak detectors available.

******* Technical Specifications 99 LD-2000**

All Fuels

- ✦ Gasoline, 100% methanol, 100% ethanol, up to 15% MTBE
- ✦ Any combination of the above
- ✦ #1 or #2 diesel, Kerosene, Jet A or JP 4

Certified to meet EPA 3 GPH @ 10 PSI:

- ✦ Maximum Rigid Pipeline size: 400 ft. of 3.25 inch diameter line or up to 172 gallon volume.
- ✦ Maximum Flexible Pipeline size: 415 ft. of 1.5 inch diameter line or up to 39.5 gallon volume.

U.L. listed containment housing

- ✦ For pump pressures through 50 PSI.
- ✦ Schedule 40 cast iron internally plated with zinc phosphate. Externally finished with oven baked powder coat

Internal Housing

- ✦ Hard Anodized, 6061 T6 Aluminum

Check Valve

- ✦ Delrin
- ✦ Tygothane® - polyurethane seal

Pressure Relief

- ✦ Stainless Steel
- ✦ 29 PSI Pressure relief (holds in addition to pump pressure relief)

Seals

- ✦ Piston / Poppet: Teflon, stainless steel spring energized
- ✦ O Rings: Mil Specification; R-83248 Fluorocarbon

Metering Pin and Poppet

- ✦ 17-4 Stainless Steel

Misc. Component Specification

- ✦ 660 Bronze
- ✦ 6061 T6 Aluminum
- ✦ 1026 cold roll steel chrome plated

Reverse Ratio Piston-Poppet**One Way Poppet Flow-Path**

For Installation with variable or non-variable speed turbines.

Vent line must be unobstructed, leak tight and connected to headspace of tank.

Vent line is not to be subjected to pressure or vacuum.

Can be installed in submersible pump or leak detector adapter Tee.

For chemical applications other than listed above, contact factory.

For installation instructions or further information on the 99 LD-2000 or other line leak detection equipment, contact your local distributor or call: 1-800-367-0185

[Click Here For Installation Instructions](#)**

* Patent application in process

Made in the United States of America



Last modified: September 30, 2004

Vaporless Manufacturing, Inc.

8700 E. Long Mesa Drive

Prescott Valley, Arizona 86314

E-mail: vmi@vaporless.com

1-800-367-0185 Fax (928) 775-5309

UNDERGROUND STORAGE TANK MONITORING PLAN - PAGE 2

VI. DISPENSER MONITORING

MONITORING OF AREAS BENEATH DISPENSER(S) IS PERFORMED USING THE FOLLOWING METHOD(S) (Check all that apply)

- 1. CONTINUOUS MONITORING OF UNDER DISPENSER CONTAINMENT (UDC) M50.
 - PANL L MANUFACTURER: veedensok M51 MODEL #: 721-350 M52.
 - LEAK SENSOR MANUFACTURER: veedensok M53. MODEL #(S): 794890-20V M54.
 - WILL DETECTION OF A LEAK IN THE UDC TRIGGER AUDIBLE AND VISUAL ALARMS? a. YES b. NO M55.
 - WILL A UDC LEAK ALARM TRIGGER AUTOMATIC PUMP SHUTDOWN? a. YES b. NO M56.
 - WILL FAILURE/DISCONNECTION OF UDC MONITORING SYSTEM TRIGGER AUTOMATIC PUMP SHUTDOWN? a. YES b. NO M57.
- 2. MECHANICAL CONTINUOUS MONITORING (e.g., FLOAT AND CHAIN ASSEMBLY) IN UDC TRIPS SHEAR VALVE IN CASE OF LEAK
 - MANUFACTURER: _____ M58. MODEL #(S): _____ M59.
- 3. VISUAL MONITORING DONE: a. DAILY b. WEEKLY M60.
- 4. NO DISPENSERS M61.
- 99. OTHER (Specify) _____ M61.

VII. ENHANCED LEAK DETECTION

- 1. WE HAVE BEEN NOTIFIED BY THE STATE WATER RESOURCES CONTROL BOARD THAT WE MUST PERFORM ENHANCED LEAK DETECTION (ELD) FOR THE UST(S) COVERED BY THIS PLAN. PER 23 CCR §2644.1, ELD IS PERFORMED EVERY 36 MONTHS AS REQUIRED M70.

VIII. TRAINING

- REFERENCE DOCUMENTS MAINTAINED AT FACILITY (Check all that apply) M80.
- 1. THIS UNDERGROUND STORAGE TANK MONITORING PLAN (Required)
 - 2. OPERATING MANUALS FOR ELECTRONIC MONITORING EQUIPMENT (Required)
 - 3. THE FACILITY'S BEST MANAGEMENT PRACTICES (Required as of January 1, 2005)
 - 4. CALIFORNIA UNDERGROUND STORAGE TANK REGULATIONS
 - 5. CALIFORNIA UNDERGROUND STORAGE TANK LAW
 - 6. STATE WATER RESOURCES CONTROL BOARD (SWRCB) PUBLICATION: "HANDBOOK FOR TANK OWNERS - MANUAL AND STATISTICAL INVENTORY RECONCILIATION"
 - 7. SWRCB PUBLICATION: "WEEKLY MANUAL TANK GAUGING FOR SMALL UNDERGROUND STORAGE TANKS"
 - 99. OTHER (Specify): _____ M81.

Personnel with UST monitoring responsibilities are familiar with all of the above documents relevant to their job duties and can access those documents when needed. By January 1, 2005, this facility will have a "Designated UST Operator" who has passed the California UST System Operator Exam administered by the International Code Council (ICC). By July 1, 2005, and annually thereafter, the "Designated UST Operator" will train facility employees in the proper operation and maintenance of the UST systems. This training will include, but is not limited to, the following:

- > Operation of the UST systems in a manner consistent with the facility's best management practices.
- > The facility employee's role with regard to the leak detection equipment.
- > The facility employee's role with regard to spills and overfills.
- > Whom to contact for emergencies and leak detection alarms.

For facility employees hired on or after July 1, 2005, the initial training will be conducted within 30 days of the date of hire.

IX. COMMENTS/ADDITIONAL INFORMATION

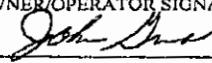
Please use this section to include any additional UST system monitoring-related information (e.g., additional information required by your local agency): M83.

X. PERSONNEL RESPONSIBILITIES

AS OF JANUARY 1, 2005, THE "DESIGNATED UST OPERATOR" IDENTIFIED IN SECTION III OF THE CURRENT UST OPERATING PERMIT APPLICATION - FACILITY FORM WILL HAVE ULTIMATE AUTHORITY FOR PERFORMING THE MONITORING ACTIVITIES AND MAINTAINING LEAK DETECTION EQUIPMENT COVERED BY THIS PLAN TITLE 23 CCR § 2715(c), AND WILL PERFORM AND DOCUMENT MINIMUM MONTHLY VISUAL INSPECTIONS OF THE FACILITY'S UST SYSTEMS IN ACCORDANCE WITH TITLE 23 CCR § 2715(c).

XI. OWNER/OPERATOR SIGNATURE

CERTIFICATION: I certify that the information provided herein is true and accurate to the best of my knowledge.

OWNER/OPERATOR SIGNATURE 	REPRESENTING <input type="checkbox"/> Owner M90. <input checked="" type="checkbox"/> Operator M92.	DATE: <u>1-13-05</u>
OWNER/OPERATOR NAME (print): <u>JOHN GRNA</u>	OWNER/OPERATOR TITLE: <u>VEH. MAINT. SUPERVISOR</u>	

(Agency Use Only) This plan has been reviewed and: Approved Approved With Conditions Disapproved

Local Agency Signature: _____ Date: _____

Comments/Special Conditions: _____

UNDERGROUND STORAGE TANK MONITORING PLAN - PAGE 1

TYPE OF ACTION 1. NEW PLAN 2. CHANGE OF INFORMATION M01.

PLAN TYPE MONITORING IS IDENTICAL FOR ALL USTs AT THIS FACILITY. M02.
(Check one item only) THIS PLAN COVERS ONLY THE FOLLOWING UST SYSTEM(S): _____

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only) _____
BUSINESS NAME (Same as FACILITY NAME) Capistrano School District M03.
BUSINESS SITE ADDRESS 26126 Victoria M04. CITY Capo Beach M05.

II. EQUIPMENT TESTING AND PREVENTIVE MAINTENANCE

State law requires that testing, preventive maintenance, and calibration of monitoring equipment (e.g., sensors, probes, line leak detectors, etc.) be performed at the frequency specified by the equipment manufacturers' instructions, or annually, whichever is more frequent, and that such work must be performed by qualified personnel.
MONITORING EQUIPMENT IS SERVICED 1. ANNUALLY M06. 99. OTHER (Specify): _____ M07.

III. MONITORING LOCATIONS

This monitoring plan must include a Site Plan showing the general tank and piping layouts and the locations where monitoring is performed (i.e., location of each sensor, line leak detector, monitoring system control panel, etc.). If you already have a diagram (e.g., current UST Monitoring Site Plan from a Monitoring System Certification form, Hazardous Materials Business Plan map, etc.) which shows all required information, include it with this plan.

IV. TANK MONITORING

MONITORING IS PERFORMED USING THE FOLLOWING METHOD(S): (Check all that apply) M10.
 1. CONTINUOUS ELECTRONIC MONITORING OF TANK ANNULAR (INTERSTITIAL) SPACE(S) OR SECONDARY CONTAINMENT VAULT(S) M11.
SECONDARY CONTAINMENT IS: a. DRY b. LIQUID FILLED c. PRESSURIZED d. VACUUM M12.
PANEL MANUFACTURER: Veederroot M13. MODEL #: 7LS-150 M13.
LEAK SENSOR MANUFACTURER: Veederroot M14. MODEL #(S): 799470-420 M15.
 2. AUTOMATIC TANK GAUGING (ATG) SYSTEM USED TO MONITOR SINGLE WALL TANK(S) M17.
PANEL MANUFACTURER: _____ M16. MODEL #: _____
IN-TANK PROBE MANUFACTURER: _____ M18. MODEL #(S): _____
LEAK TEST FREQUENCY: a. CONTINUOUS b. DAILY/NIGHTLY c. WEEKLY M20.
 d. MONTHLY e. OTHER (Specify): _____ M21.
PROGRAMMED TESTS: a. 0.1 g.p.h. b. 0.2 g.p.h. c. OTHER (Specify): _____ M22. M23.
 3. INVENTORY RECONCILIATION a. MANUAL PER 23 CCR §2646 b. STATISTICAL PER 23 CCR §2646.1 M24.
 4. WEEKLY MANUAL TANK GAUGING (MTG) PER 23 CCR §2645 M25.
TESTING PERIOD: a. 36 HOURS b. 60 HOURS
 5. INTEGRITY TESTING PER 23 CCR §2643.1 M26. M27.
TEST FREQUENCY: a. ANNUALLY b. BIENNIALY c. OTHER (Specify): _____
 6. VISUAL MONITORING: a. DAILY b. WEEKLY M28.
 99. OTHER (Specify): _____

V. PIPE MONITORING

MONITORING IS PERFORMED USING THE FOLLOWING METHOD(S): (Check all that apply) M30.
 1. CONTINUOUS MONITORING OF PIPING PUMP(S)/TRENCH(ES) AND OTHER SECONDARY CONTAINMENT M31.
SECONDARY CONTAINMENT IS: a. DRY b. LIQUID FILLED c. PRESSURIZED d. VACUUM M32.
PANEL MANUFACTURER: Veederroot M33. MODEL #: 7LS-150 M33.
LEAK SENSOR MANUFACTURER: Veederroot M34. MODEL #(S): 799470-207 M35.
WILL A PIPING LEAK ALARM TRIGGER AUTOMATIC PUMP (i.e., TURBINE) SHUTDOWN? a. YES b. NO M36.
WILL FAILURE/DISCONNECTION OF THE MONITORING SYSTEM TRIGGER AUTOMATIC PUMP SHUTDOWN? a. YES b. NO M37.
 2. MECHANICAL LINE LEAK DETECTOR (MLLD) THAT ROUTINELY PERFORMS 3.0 g.p.h. LEAK TESTS AND RESTRICTS OR SHUTS OFF PRODUCT FLOW WHEN A LEAK IS DETECTED M39.
MLLD MANUFACTURER(S): Vaporless M38. MODEL #(S): LD-200
 3. ELECTRONIC LINE LEAK DETECTOR (ELLD) THAT ROUTINELY PERFORMS 3.0 g.p.h. LEAK TESTS M41.
ELLD MANUFACTURER(S): _____ M40. MODEL #(S): _____
PROGRAMMED IN LINE TESTING: a. MINIMUM MONTHLY 0.2 g.p.h. b. MINIMUM ANNUAL 0.1 g.p.h. M42.
WILL ELLD DETECTION OF A PIPING LEAK TRIGGER AUTOMATIC PUMP SHUTDOWN? a. YES b. NO M43.
WILL ELLD FAILURE/DISCONNECTION TRIGGER AUTOMATIC PUMP SHUTDOWN? a. YES b. NO M44.
 4. INTEGRITY TESTING M45. M46.
TEST FREQUENCY: a. ANNUALLY b. EVERY 3 YEARS c. OTHER (Specify) _____
 5. VISUAL MONITORING: a. DAILY b. WEEKLY c. MIN. MONTHLY & EACH TIME SYSTEM OPERATED* M47.
 6. SUCTION PIPING MEETS EXEMPTION CRITERIA PER 23 CCR §2636(a)(3) M48.
 7. NO PRODUCT OR REMOTE FILL PIPING IS CONNECTED TO THE UST(S)
 99. OTHER (Specify): _____

* Allowed for monitoring of unburied emergency generator fuel piping only per HSC §23281.5(b)(3)

hwfwrc-d (9/24/04) - 1/4

Fax

Please deliver immediately to: Steve Sharp
 of: Health Care Agency
 Fax number: 1-714-754-1768
 Voice number:

Fax received from: Michelle Townley
 of: Capistrano Unified School District
 Fax number: 1-949-661-1029
 Voice number: 1-949-489-7115

Date: 1/14/05

Time: 9:43:01 AM

Number of Pages: 1

Subject:

Message:

This fax is from John Grna.

RECEIVED HCA/RH
 JAN 14 2004
 ENVIRONMENTAL HLTH

MAR 07 2005

ENVIRONMENTAL HLTH

MONITORING SYSTEM CERTIFICATION

For Use By All Jurisdictions Within the State of California

Authority Cited: Chapter 6.7, Health and Safety Code; Chapter 16, Division 3, Title 23, California Code of Regulations

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST systems within 30 days of test date.

A. General Information

Facility Name: Capistrano School District Bldg. No.: _____
 Site Address: 26126 Victoria Blvd City: Capistrano Beach Zip: 92624
 Facility Contact Person: John Contact Phone No.: (949) 489-7167
 Make/Model of Monitoring System: Vealenoit TCS-350 Date of Testing/Servicing: 12/27/04

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

<p>Tank ID: <u>unled</u></p> <p><input checked="" type="checkbox"/> In-Tank Gauging Probe. Model: <u>Mast</u></p> <p><input checked="" type="checkbox"/> Annular Space or Vault Sensor. Model: <u>794370-420</u></p> <p><input checked="" type="checkbox"/> Piping Sump / Trench Sensor(s). Model: <u>209</u></p> <p><input checked="" type="checkbox"/> Fill Sump Sensor(s). Model: <u>209</u></p> <p><input checked="" type="checkbox"/> Mechanical Line Leak Detector. Model: <u>LD-2000</u></p> <p><input type="checkbox"/> Electronic Line Leak Detector. Model: _____</p> <p><input type="checkbox"/> Tank Overfill / High-Level Sensor. Model: _____</p> <p><input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).</p>	<p>Tank ID: <u>D. esp</u></p> <p><input checked="" type="checkbox"/> In-Tank Gauging Probe. Model: <u>Mast</u></p> <p><input checked="" type="checkbox"/> Annular Space or Vault Sensor. Model: <u>794370-420</u></p> <p><input checked="" type="checkbox"/> Piping Sump / Trench Sensor(s). Model: <u>209</u></p> <p><input checked="" type="checkbox"/> Fill Sump Sensor(s). Model: <u>209</u></p> <p><input checked="" type="checkbox"/> Mechanical Line Leak Detector. Model: <u>LD-2000</u></p> <p><input type="checkbox"/> Electronic Line Leak Detector. Model: _____</p> <p><input type="checkbox"/> Tank Overfill / High-Level Sensor. Model: _____</p> <p><input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).</p>
<p>Tank ID: _____</p> <p><input type="checkbox"/> In-Tank Gauging Probe. Model: _____</p> <p><input type="checkbox"/> Annular Space or Vault Sensor. Model: _____</p> <p><input type="checkbox"/> Piping Sump / Trench Sensor(s). Model: _____</p> <p><input type="checkbox"/> Fill Sump Sensor(s). Model: _____</p> <p><input type="checkbox"/> Mechanical Line Leak Detector. Model: _____</p> <p><input type="checkbox"/> Electronic Line Leak Detector. Model: _____</p> <p><input type="checkbox"/> Tank Overfill / High-Level Sensor. Model: _____</p> <p><input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).</p>	<p>Tank ID: _____</p> <p><input type="checkbox"/> In-Tank Gauging Probe. Model: _____</p> <p><input type="checkbox"/> Annular Space or Vault Sensor. Model: _____</p> <p><input type="checkbox"/> Piping Sump / Trench Sensor(s). Model: _____</p> <p><input type="checkbox"/> Fill Sump Sensor(s). Model: _____</p> <p><input type="checkbox"/> Mechanical Line Leak Detector. Model: _____</p> <p><input type="checkbox"/> Electronic Line Leak Detector. Model: _____</p> <p><input type="checkbox"/> Tank Overfill / High-Level Sensor. Model: _____</p> <p><input type="checkbox"/> Other (specify equipment type and model in Section E on Page 2).</p>
<p>Dispenser ID: <u>11-14</u></p> <p><input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u></p> <p><input checked="" type="checkbox"/> Shear Valve(s).</p> <p><input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).</p>	<p>Dispenser ID: <u>15-16</u></p> <p><input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u></p> <p><input checked="" type="checkbox"/> Shear Valve(s).</p> <p><input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).</p>
<p>Dispenser ID: <u>9-10</u></p> <p><input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u></p> <p><input type="checkbox"/> Shear Valve(s).</p> <p><input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).</p>	<p>Dispenser ID: <u>11-12</u></p> <p><input checked="" type="checkbox"/> Dispenser Containment Sensor(s). Model: <u>209</u></p> <p><input type="checkbox"/> Shear Valve(s).</p> <p><input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).</p>
<p>Dispenser ID: _____</p> <p><input type="checkbox"/> Dispenser Containment Sensor(s). Model: _____</p> <p><input type="checkbox"/> Shear Valve(s).</p> <p><input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).</p>	<p>Dispenser ID: _____</p> <p><input type="checkbox"/> Dispenser Containment Sensor(s). Model: _____</p> <p><input type="checkbox"/> Shear Valve(s).</p> <p><input type="checkbox"/> Dispenser Containment Float(s) and Chain(s).</p>

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

C. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturers' guidelines. Attached to this Certification is information (e.g. manufacturers' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the report; (check all that apply): System set-up Alarm history report

Technician Name (print): Martin Schwartz Signature: [Signature]
 Certification No.: 006-05-0227 License No.: 517336
 Testing Company Name: Orange Co. Tank Testing, Inc. Phone No.: (714) 776-0300
 Site Address: 225 N. Loara St., Anaheim Date of Testing/Servicing: 12/27/04

F. In-Tank Gauging / SIR Equipment:

- Check this box if tank gauging is used only for inventory control.
 Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

<input type="checkbox"/> Yes	<input type="checkbox"/> No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
<input type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all tank gauging probes visually inspected for damage and residue buildup?
<input type="checkbox"/> Yes	<input type="checkbox"/> No*	Was accuracy of system product level readings tested?
<input type="checkbox"/> Yes	<input type="checkbox"/> No*	Was accuracy of system water level readings tested?
<input type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all probes reinstalled properly?
<input type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

G. Line Leak Detectors (LLD):

- Check this box if LLDs are not installed.

Complete the following checklist:

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No* <input type="checkbox"/> N/A	For equipment start-up or annual equipment certification, was a leak simulated to verify LLD performance? (Check all that apply) Simulated leak rate: <input checked="" type="checkbox"/> 3 g.p.h.; <input type="checkbox"/> 0.1 g.p.h.; <input type="checkbox"/> 0.2 g.p.h.
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all LLDs confirmed operational and accurate within regulatory requirements?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Was the testing apparatus properly calibrated?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No* <input type="checkbox"/> N/A	For mechanical LLDs, does the LLD restrict product flow if it detects a leak?
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	For electronic LLDs, does the turbine automatically shut off if the LLD detects a leak?
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	For electronic LLDs, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
<input type="checkbox"/> Yes	<input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A	For electronic LLDs, have all accessible wiring connections been visually inspected?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No*	Were all items on the equipment manufacturer's maintenance checklist completed?

* In the Section H, below, describe how and when these deficiencies were or will be corrected.

H. Comments: 1/11 installed and tested leak detector

ORANGE COUNTY TANK TESTING, INC.

Victor

225 N. Loara Street
ANAHEIM, CALIFORNIA 92801
(714) 776-0300

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes <input type="checkbox"/>				
Spill/Overfill Containment Boxes are Present, but were Not Tested <input type="checkbox"/>				
Test Method Developed By:	<input type="checkbox"/> Spill Bucket Manufacturer	<input checked="" type="checkbox"/> Industry Standard	<input type="checkbox"/> Professional Engineer	
	<input type="checkbox"/> Other (Specify)			
Test Method Used:	<input type="checkbox"/> Pressure	<input type="checkbox"/> Vacuum	<input checked="" type="checkbox"/> Hydrostatic	
	<input type="checkbox"/> Other (Specify)			
Test Equipment Used: <u>WATER & TAPE MEASURE</u>			Equipment Resolution:	
	Spill Box # 1 <u>UNL</u>	Spill Box # 2 <u>DES</u>	Spill Box #	Spill Box #
Bucket Diameter:	11"	11"		
Bucket Depth:	14"	11"		
Wait time between applying pressure/vacuum/water and starting test:	N/A	N/A		
Test Start Time:	12:15 P.	12:15 P.		
Initial Reading (R _i):	4"	5 1/2"		
Test End Time:	12:45 P.	12:45 P.		
Final Reading (R _f):				
Test Duration:	30 MIN.	30 MIN.		
Change in Reading (R _f -R _i):				
Pass/Fail Threshold or Criteria:	±0	±0		
Test Result:	<input type="checkbox"/> Pass <input type="checkbox"/> Fail			

Comments - (include information on repairs made prior to testing, and recommended follow-up for failed tests)

OPW overfill boxes failed with water approx 2" from top of P.U.

I declare under penalty of perjury that I am a licensed tank tester in the State of California and that the information contained in this report is true and correct to the best of my knowledge

M. S. Schwab

(signature)
Maria Schwab

(type or print name)
91-109Y

(license number)

12/27/02

(date)

ORANGE COUNTY TANK TESTING, INC.

225 N. Loara Street
ANAHEIM, CALIFORNIA 92801
(714) 776-0300

9. SPILL/OVERFILL CONTAINMENT BOXES

Facility is Not Equipped With Spill/Overfill Containment Boxes <input type="checkbox"/>				
Spill/Overfill Containment Boxes are Present, but were Not Tested <input type="checkbox"/>				
Test Method Developed By: <input type="checkbox"/> Spill Bucket Manufacturer <input checked="" type="checkbox"/> Industry Standard <input type="checkbox"/> Professional Engineer				
<input type="checkbox"/> Other (Specify)				
Test Method Used: <input type="checkbox"/> Pressure <input type="checkbox"/> Vacuum <input checked="" type="checkbox"/> Hydrostatic				
<input type="checkbox"/> Other (Specify)				
Test Equipment Used: <i>visual</i>			Equipment Resolution:	
	Spill Box # 1	Spill Box #	Spill Box #	Spill Box #
Bucket Diameter:	<i>12"</i>			
Bucket Depth:	<i>16"</i>			
Wait time between applying pressure/vacuum/water and starting test:				
Test Start Time:	<i>1:00</i>			
Initial Reading (R _I):	<i>7.5"</i>			
Test End Time:	<i>1:30</i>			
Final Reading (R _F):	<i>7.5"</i>			
Test Duration:	<i>30 min</i>			
Change in Reading (R _F -R _I):	<i>±.00"</i>			
Pass/Fail Threshold or Criteria:	<i>±0.00</i>			
Test Result:	<input type="checkbox"/> Pass <input type="checkbox"/> Fail			

Comments – (include information on repairs made prior to testing, and recommended follow-up for failed tests)

OPW waste oil bucket tested with water for 30 min (new bucket)

I declare under penalty of perjury that I am a licensed tank tester in the State of California and that the information contained in this report is true and correct to the best of my knowledge

[Signature]

(signature)

1/21/02

(date)

Harlan Schwarz

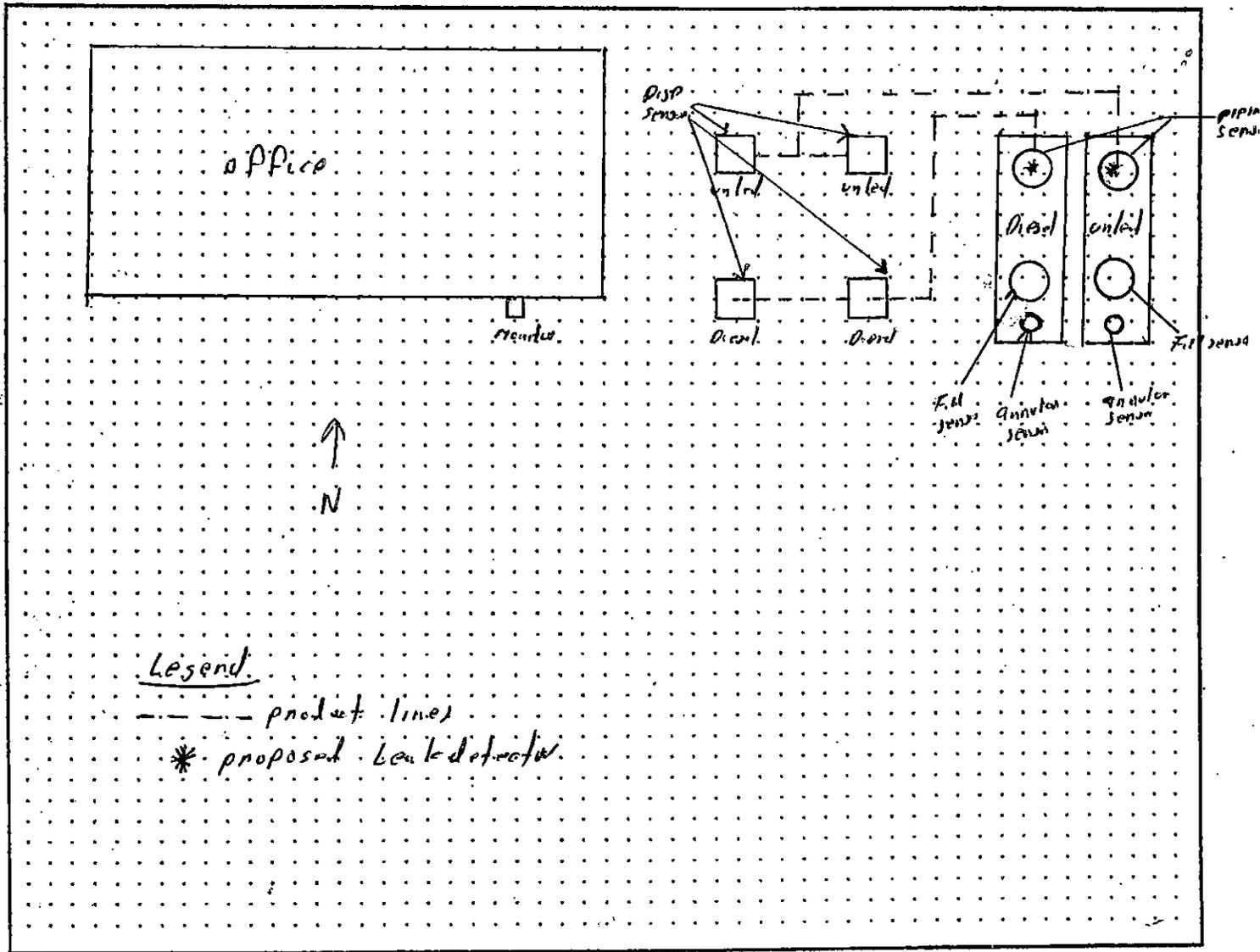
(type or print name)

93-1085

(license number)

UST Monitoring Site Plan

Site Address: 261.26 V. of U.S.



Date map was drawn: 12/27/04

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

MECHANICAL LINE LEAK DETECTOR TEST DATA CHART

ION NUMBER _____

DATE: 11/10/05

Location: 26126 Victoria Cape Beach
Street No. and/or CORNER City State Telephone No.

Owner: Capistrano School District
Name Address Representative Position Telephone No.

Operator: SNAP
Name Dealer, Rep. / Other Address, if Different than Location, Telephone No.

Contractor or Company Making Test
 Mechanic(s) NAME: Orange Co tank testing - Martin Schwartz

LEAK DETECTOR

1. MAKE: VMI
 TYPE or MODEL: LD-2000
 SERIAL NUMBER: 04121317

2. MAKE: VMI
 TYPE or MODEL: LD-2000
 SERIAL NUMBER: 04121317

3. MAKE: _____
 TYPE or MODEL: _____
 SERIAL NUMBER: _____

4. MAKE: _____
 TYPE or MODEL: _____
 SERIAL NUMBER: _____

No.	Full Operating Pressure PSI	Opening Time Seconds	Functional Element Holding PSI	Bleed Back ML	Metering Pressure PSI	Test Leak Rate ML/Minute GAL/HR	PASS		REMARKS
							YES	NO	
1.	29	2	28	300	20	190 3	✓		un lead
2.	32	2	32	260	21	190 3	✓		0.050/
3.									
4.									

I declare under penalty of perjury that I am a licensed tank tester in the State of California and that the information contained in this report is true and correct to the best of my knowledge

Martin Schwartz
(signature)

11/10/05
(date)

Martin Schwartz
(type or print name)
93-1095



File # 001172

Closed
TCC
5-4-00

UST INSTALLATION/MODIFICATION PLAN CHECK LIST

FACILITY NAME: CUSD Transportation Yard PLAN CHECK NO: 98-146

ADDRESS: 26126 Victoria Capistrano Beach

CONTRACTOR NAME: F. Reynolds COMPANY: The Reynolds Group

CONTRACTOR PHONE NUMBER: (714) 730-5397

CHECK ONE: INSTALLATION MODIFICATION

NUMBER AND VOLUME OF TANKS INSTALLED 10,000 Gallon, 20000 Gallon

MODIFICATION IS FOR: _____

	DATE COMPLETED	INITIAL
TANK PLANS REVIEWED AND APPROVED		
COPY OF PRIMARY CONTRACTOR AND SUBCONTRACTOR LICENSE AND HAZ. SUBSTANCE CERTIFICATION RECEIVED		
PASSED VACUUM TEST (IF APPLICABLE)	7/23, 7/28/98	M.M. / L.M.
PASSED HOLIDAY TEST (COMPOSITE TANKS)	N/A	
PASSED TANK PRESSURE TEST OR OTHER TEST AS SPECIFIED BY THE MANUFACTURER	Primary 8/11/98	L.M.
	Secondary 8/11/98	L.M.
PASSED PIPELINE PRESSURE TEST OR OTHER TEST AS SPECIFIED BY THE MANUFACTURER	Primary 8/11/98	L.M.
	Secondary 8/11/98	L.M.
PASSED WATER TIGHT SUMP TEST	8/11/98	L.M.
PASSED FIBERTRENCH TEST (IF APPLICABLE)		
PASSED FINAL INSPECTION - ALL INFO REQUESTED FOR OPERATING PERMIT (INSTALLATION MATCHES PLANS - CONSTRUCTION IS COMPLETE)	8/31/98	L.M.
PASSED MONITORING CHECK - CHECKED CONTINUOUS PROBES AND LINE LEAK DETECTORS	6/18/99	JG
SYSTEM PASSED TANK INTEGRITY TEST AND RECEIVED RESULTS	2/18/00	JG
INSPECTION REPORT COMPLETED AND SUBMITTED TO SUPERVISOR WITH UPDATED TANK PAGE	4/2/24/00	JG
FORM C RECEIVED, SIGNED BY OWNER	2/2/00	JG
DATE UST(S) AT SITE WERE REMOVED (IF REPLACEMENT)	7/2/98	JS
REMOVAL PLAN CHECK #:		

INSPECTOR ON-SITE FOR INSTALLATION/MODIFICATION (PRINT NAME)

10
11
12

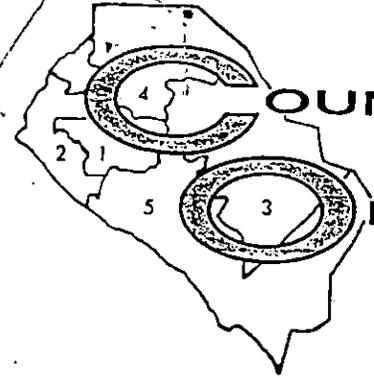
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COUNTY OF
ORANGE

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

FACILITY MODIFICATION
APPLICATION
(INSTALLATION/REMOVAL/REPAIR)
(COMPLETE PAGES 1 & 2)

DATE: 5/1/98

FACILITY INFORMATION

NAME: CAPO UNIFIED S.D. Transportation Yard
STREET ADDRESS: 216216 Victoria Blvd.
CITY: CAPISTRANO BEACH
TOTAL NUMBER OF TANKS (AFTER INSTALLATION/REMOVAL)
AT THIS LOCATION: 2

TYPE OF BUSINESS:

- GASOLINE STATION
- GOVERNMENT
- FARM
- OTHER

TANK OWNER NAME (CORP., INDIVIDUAL, PUBLIC AGENCY):

CAPISTRANO UNIFIED SCHOOL DISTRICT
STREET ADDRESS: 32972 CAVE PERFECTO
CITY: SAN JUAN CAPISTRANO
STATE: CA ZIP 92675
TELEPHONE NO: _____

BILLING ADDRESS INFORMATION

BILL TO NAME: SAME AS OWNER
BILL TO ADDRESS: _____
CITY: _____
STATE: _____ ZIP _____
TELEPHONE NO.: _____

TYPE OF CONSTRUCTION

INDICATE NO. OF TANK(S) BEING
REMOVED/REPAIRED/INSTALLED BELOW: (COMPLETE
PAGE 2 - INDICATING THE TANKS TO BE
INSTALLED/REMOVED, OR AFFECTED BY THE REPAIR)

- INSTALLATION(S)
- REPAIR(S)/RELINING(S) TO USTs
- CLOSURE(S)/REMOVAL(S)
- SYSTEM MODIFICATION (E.G. REPIPE, REPAIR TO PIPING)
- OTHER (SPECIFY) _____

24 HOUR EMERGENCY CONTACT PERSON

DAYS: F. EDWARD REYNOLDS, JR 714/730-5397
NAME TELEPHONE
NIGHTS: SAME
NAME TELEPHONE

APPLICANT

NAME: F. EDWARD REYNOLDS, JR.
PLEASE PRINT
SIGNATURE: F. Edward Reynolds, Jr.
COMPANY NAME: THE REYNOLDS GROUP
TELEPHONE NO: (714) 730-5397

FACILITY OPERATOR (CONTACT PERSON)

NAME: _____
BUSINESS TELEPHONE NO.: _____

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED.

OFFICE USE ONLY

PLAN CHECK NO.: 98-146 FEES PAID: 374- RCVD. BY: dy USOH 149376
PLAN APPROVAL DATE: _____ BY: _____ CKH 31734
NUMBER OF TANKS TO RECEIVE A SURCHARGE BILL: _____ NUMBER OF TANKS TO BE ADDED TO BILLING: _____

TANK INFORMATION

PROVIDE THE INFORMATION BELOW FOR ALL TANKS AND PIPING SYSTEMS TO BE INSTALLED, REMOVED OR REPAIRED. ALSO INDICATE THE UPGRADE/CHANGES TO BE MADE TO EACH TANK SYSTEM.

TANK I.D.		#1	#2	#3	#4	
MATERIAL STORED	CURRENTLY					
	PROPOSED	10,000	20,000			
	PREVIOUSLY					
	FUEL TYPE, I.E., UNLEADED	UNLEADED	DIESEL			
C O N T A I N E R	TYPE (TANK, SUMP, OTHERS)					
	DOUBLE WALL/SINGLE WALL					
	UL NUMBER					
	YEAR INSTALLED					
	VAULTED/NOT VAULTED					
	PRIMARY	MANUFACTURER				
		CAPACITY (GALLONS)				
		CONSTRUCTION MATERIAL				
		THICKNESS (UNITS)				
	SECONDARY	INTERIOR LINING				
		MANUFACTURER				
		CAPACITY (GALLONS)				
		CONSTRUCTION MATERIAL				
	THICKNESS (UNITS)					
	CORROSION PROTECTION					
TYPE OF LEAK DETECTION FOR USTs (LIQUID, PROBE, ETC.)						
MANUFACTURER OF LEAK DETECTOR						
P I P I N G	LOCATION (UNDER/ABOVE GROUND)					
	SUCTION/PRESSURE GRAVITY/UNKNOWN					
	PRIMARY	CONSTRUCTION MATERIAL				
		MANUFACTURER				
	SECONDARY	CONSTRUCTION MATERIAL				
		MANUFACTURER				
	TYPE OF LEAK DETECTION FOR PIPING (PRESSURE LOSS DEVICE, ETC.)					
MANUFACTURER OF LEAK DETECTOR						
OVERFILL PROTECTION (TYPE)						
SPILL CONTAINMENT (TYPE)						



COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH DIVISION

HAZARDOUS MATERIALS MANAGEMENT SECTION

2009 E. EDINGER AVENUE
SANTA ANA, CA 92705-4720
(714) 667-3700

<input type="checkbox"/>	Haz. Waste
<input checked="" type="checkbox"/>	UST
<input type="checkbox"/>	T.P.

98-146

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK FOLLOW-UP INSPECTION REPORT

FILE # 001172 ACCOUNT # 7227-25 EPA I.D.# _____

FACILITY CVSD TRANSPORTATION YARD PERMIT # _____

STREET 26126 VICTORIA MAP COORDINATES _____

CITY SJC ZIP 92675 DISTRICT _____

HAZARDOUS WASTE INSPECTION TYPE _____ # OF UST ON-SITE _____ UST INSPECTION TYPE 10

NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE _____

STATUS TYPE _____ EXEMPT TYPE _____ STATUS TYPE _____

EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

ON SITE FOR FINAL MODIFICATION INSPECTION. ALL 10 SENSORS
 [2 ANNULAR, 2 TURBIN, 2 FILL AND 4 DISPENSER] SIGNALLED AN AUDIO
 & VISUAL ALARM WHEN LEAKS WERE SIMULATED. TURBINES NOT
 OPERATIONAL. REINSPECTION FOR POSITIVE SHUTDOWN ON 9-1-98.

FACILITY MEETS 1998 UPGRADE REQUIREMENTS

- * 1998 MODERN WELDING TANKS → STRIKER PLATES
- * FLAPPER VALVES PRESENT ON BOTH FILLS
- * PROPER SPILL CONTAINMENT
- * DISPENSER BOXES (4)

ACTIVE ICRS # _____ INSPECTOR # 215 NAME LANCE MAUIS DATE 8-31-98

I declare that I have read and received a copy of this inspection report

JIM KEATING
Print Name

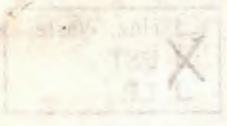
Project Supv
Title

[Signature]
Signature



8-31-98
Date

ENTERED SEP 30 1998



88-146

COUNTY OF ORANGE HEALTH CARE AGENCY
 ENVIRONMENTAL HEALTH DIVISION
 HAZARDOUS MATERIALS MANAGEMENT SECTION
 2000 E. EDINGER AVENUE
 SANTA ANA, CA 92705-1720
 (714) 667-3400



RECEIVED SEP 7 1998

HAZARDOUS WASTE & ENVIRONMENTAL STORAGE TANK
 FOLLOW-UP INSPECTION REPORT

FILE # 001155
 ACCOUNT # 555-F-22
 PERMIT # 220 TANK REGISTRATION YARD
 STREET 2515 VICTORIA
 CITY STC
 MAP COORDINATES
 DISTRICT 2515
 REPORT DATE
 DISTRICT OFFICE
 EXEMPTED
 STATE TYPE
 LOCATION TYPE

ON SITE FOR FINAL MOBILIZATION INSPECTION. ALL 10 TANKS
 [2 TANKS; TANKS 1, 2 AND 4] SIGNAGED IN RED
 VISUAL ALARM WHEN LEAKS WERE SIMULATED. TANKS NOT
 OPERATIONAL. REINSPECTION FOR POSITIVE SHUTDOWN ON 8-1-98.

FACILITY MEETS 1998 OPERATE REQUIREMENTS

- * 1998 MOBILE WELDING TANKS → SIGNER PLATE?
- * FRAMES ARRIVED PRESENT ON BOTH SITES
- * PROPER SOIL COMPACTMENT
- * COVER BOXES (4)

INSPECTOR # 512 NAME RANCE WALL DATE 8-31-98

I declare that I have read and received a copy of this inspection report

TIM KEATING

Project 2100

8-31-98



ENTERED SEP 30 1998

[Signature]



COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH DIVISION

HAZARDOUS MATERIALS MANAGEMENT SECTION

2009 E. EDINGER AVENUE

SANTA ANA, CA 92705-4720

(714) 667-3700

<input type="checkbox"/> Haz. Waste
<input checked="" type="checkbox"/> UST
<input type="checkbox"/> T.P.

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK FOLLOW-UP INSPECTION REPORT

FILE # 001172 ACCOUNT # 7227-23 EPA I.D.# _____

FACILITY CUSD TRANSPORTATION CENTER PERMIT # _____

STREET 26126 VICTORIA BLVD MAP COORDINATES _____

CITY CAPISTRANO BEACH ZIP 92624 DISTRICT _____

HAZARDOUS WASTE INSPECTION TYPE _____ # OF UST ON-SITE _____ UST INSPECTION TYPE 6

NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE 1

STATUS TYPE _____ EXEMPT TYPE 1 STATUS TYPE 1

EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

ON SITE FOR PIPING INSPECTION. BOTH TANKS HELD 5 1/2 PSI FOR > 30 MINUTES. BOTH VENT LINES HELD 10 PSI FOR > 30 MINUTES. DIESEL PRIMARY PRODUCT AND GASOLINE PRIMARY PRODUCT HELD 76 AND 77 PSI RESPECTIVELY FOR > 30 MINUTES. SECONDARY PRODUCT PIPING LINES HELD 5 1/2 (DIESEL) AND 6 1/2 (GAS) FOR > 30 MINUTES. VAPOR RECOVERY LINE (GAS) HELD 18 PSI FOR > 30 MINUTES. ALL CONNECTIONS "SOAPED" OR SUBMERGED IN WATER, NO BUBBLING OR LEAKING NOTICED. 4 SUMPS HELD WATER FOR > 30 MINUTES, NO LEAKING NOTICED.

PRESSURE SYSTEM.

SINGLE WALL AMERON FIBERGLASS PIPING FOR VENT & VAPOR LINES
DOUBLE WALL "OMNIFLEX" PIPING FOR PRODUCT LINES

ACTIVE ICRS # _____ INSPECTOR # 215 NAME LANCE MAHS DATE 8-11-98

I declare that I have read and received a copy of this inspection report

JAMES KEATING
Print Name

Project Supv JE
Title

[Signature]
Signature

ENTERED AUG 17 1998

8-11-98
Date



COUNTY OF ORANGE HEALTH DEPARTMENT
 HAZARDOUS WASTE & ENVIRONMENTAL CONTROL DIVISION
 3000 N. DIXIE AVENUE
 WINTER, FLORIDA 32789-1300

ENTERED AUG 17 1998

HAZARDOUS WASTE & ENVIRONMENTAL CONTROL DIVISION
 FOLLOW-UP INSPECTION REPORT

COUNTY: ORANGE CITY: ORANGE
 STREET: 5150 VICTORIA BLVD
 ZIP: 32834
 PERMIT: 2554
 HAZARDOUS WASTE UNIT: 2554
 STATE: FL
 EXPIRES: 1
 TANKS: 1
 USE: 1

on site for piping inspection. Both tanks held 2 1/2
 psi for > 30 minutes. Both vent lines held 10 psi for >
 30 minutes. Diesel primary product and gasoline primary product
 held 20 and 25 psi respectively for > 30 minutes. Secondary
 product piping lines held 2 1/2 (oil) and 2 (gas) for > 30
 minutes. Vapor recovery line (oil) held 18 psi for > 30 minutes.
 All connections "soaked" or submerged in water, no bubbling
 or leaking noticed. If small held water for > 30 minutes,
 no leakage noticed.

Double wall "omiflex" piping for product with
 single wall amon fiberwall piping for vent & vapor lines
 pressure system.

ACTIVITIES: INSPECTION 512 DATE: 8-11-98
 I certify that I have read and received a copy of this inspection report.
 JAMES HARTING
 8-11-98
 ENTERED - AUG 17 1998



COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH DIVISION

HAZARDOUS MATERIALS MANAGEMENT SECTION

2009 E. EDINGER AVENUE
SANTA ANA, CA 92705-4720
(714) 667-3700

<input type="checkbox"/>	Haz. Waste
<input checked="" type="checkbox"/>	UST
<input type="checkbox"/>	T.P.

* ALL FRONT PAGE INFO IS THE SAME

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK FOLLOW-UP INSPECTION REPORT

FILE # 001172 ACCOUNT # 7227-22 EPA I.D.# _____

FACILITY CUSD TRANSPORTATION CENTER PERMIT # _____

STREET 26126 VICTORIA MAP COORDINATES _____

CITY CAPO BEACH ZIP 92624 DISTRICT _____

HAZARDOUS WASTE INSPECTION TYPE _____ # OF UST ON-SITE 2 UST INSPECTION TYPE 6

NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE _____

STATUS TYPE _____ EXEMPT TYPE _____ STATUS TYPE _____

EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

ON SITE TO VERIFY 2ND TANK SET. 20,000 GALLON GLASTEEL II SET → HOLDING 15" VACUUM, NO HOLIDAY TEST REQUIRED ON THIS TANK.

10 K → # 361154	176	5-7-98
20 K → # 361151	130	5-8-98

ACTIVE ICRS # _____ INSPECTOR # 215 NAME LANCE MALIS DATE 7-28-98

I declare that I have read and received a copy of this inspection report

Print Name JIM HEATING Title Project Supr TC

Signature [Signature] Date 3 1998

ENTERED AUG 3 1998

EMERGED 3 1338

IMMEDIATE

URGENT

512

FROM

2200M

SP-85 F

2-8-88

2-7-88

30 N → # 3P112

10 N ← # 3P112

151

131

URGENT LIGHT AND DISCUSSION

URGENT LIGHT AND DISCUSSION "71 DIVISION ← THE LAST PART OF THE NIGHT ON 212 AND 2000 CUSTOM

EXPLANATION

REASON

REASON FOR

REASON FOR

REASON FOR

REASON FOR

REASON FOR

REASON FOR

2000

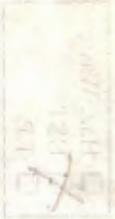
URGENT LIGHT AND DISCUSSION

URGENT LIGHT

URGENT LIGHT

URGENT LIGHT AND DISCUSSION

URGENT LIGHT AND DISCUSSION



Orange County Health Care Agency
UNDERGROUND STORAGE TANK INSPECTION REPORT

DEA: CVSD

ADDRESS: 26126 VICTORIA

: LAPO BEACH 92624

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

HCA TANK ID#	CODE	TANK #	CODE	TANK #	CODE	TANK #
!FACILITY TANK ID						
!MATERIAL STORED						
!Currently		1203 GAS		1993	PIPING	
!Previously						
!Waste or Product	2		2			
!FUEL TYPE	1		4			
!EXEMPT TYPE						
!Double/Single Wall	1		1			
!Compartment No.						
!Year Installed		1998		1998		
!Vault/Not Vaulted	2		2			
!Primary Wall:						
!Manufacturer	7		7			
!Capacity / Gallons		10,000		20,000		
!Construct Material	1		1			
!Interior Lining	96		96			
!Secondary Wall:						
!Manufacturer	7		7			
!Capacity / Gallons		10,000		20,000		
!Construct Material	3		3			
!Corrosion Protectn	5		5			
!Leak Detect: Type	5		5			
!Manufacturer	48		48			
!PIPING:	1		1			
!Dispenser/Tank Fill	33		33			
!Double/Single Wall	1		1			
!Primary Wall:						
!Construct Material	8		8			
!Manufacturer	17		17			
!Secondary Wall:						
!Construct Material	8		8			
!Manufacturer	17		17			
!Dispense Cont(Y/N)	Y		Y			
!Leak Detect: Type	5		5			
!Manufacturer	48		48			
!TYPE OF OVERFILL PROTECTION	3		3			
!SPILL CONTAINMENT		YES		YES		
!MONITORING METHOD	33		33			
!LAST TANK TEST						
!STRIKER PLATE(Y/N)	Y		Y			
!1998 UPGRADE(Y/N)	Y		Y			

INSPECTION DATE: 7/28/98

PAGE 2 OF 2



COUNTY OF ORANGE HEALTH CARE AGENCY

ENVIRONMENTAL HEALTH DIVISION

HAZARDOUS MATERIALS MANAGEMENT SECTION

2009 E. EDINGER AVENUE

SANTA ANA, CA 92705-4720

(714) 667-3700

<input type="checkbox"/>	Haz. Waste
<input checked="" type="checkbox"/>	UST
<input type="checkbox"/>	T.P.

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK FOLLOW-UP INSPECTION REPORT

FILE # 001172 ACCOUNT # 7227-21 EPA I.D.# _____

FACILITY Capo Unified School District / Transportation PERMIT # _____

STREET 26126 Victoria Blvd. MAP COORDINATES _____

CITY Capistrano Beach ZIP _____ DISTRICT _____

HAZARDOUS WASTE INSPECTION TYPE _____ # OF UST ON-SITE _____ UST INSPECTION TYPE (6)

NUMBER OF EMPLOYEES _____ # TANKS TO BILL _____ UST COMPLIANCE CODE _____

STATUS TYPE _____ EXEMPT TYPE 1 STATUS TYPE 1

EXEMPTION TYPE _____ # OF TANKS TO RECEIVE A SURCHARGE BILL _____

Onsite for the installation of two UST's per 98PC146.

One 10,000 gallon ~~massen~~ welding Glassteel ~~IF~~ double wall fiberglass tank arrived & installed w/ 15 MM Hg. ~~22~~ vacuum.

The 20,000 gallon UST was not installed today due to it being too long to fit in the pit. Was left on site w/ vacuum at 15 mm Hg.

ACTIVE ICRS # _____ INSPECTOR # 217 NAME Mike McCall DATE 7/23/98

I declare that I have read and received a copy of this inspection report

ENTERED JUL 28 1998

Print Name _____ Title _____

Signature Luft of Contractor Date _____



ENTERED JAN 08 1990

RECEIVED
DEC 12 1989

TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS MPH
DEPUTY DIRECTOR

MAILING ADDRESS: P.O. BOX 355
SANTA ANA, CA 92702

County of Orange
HEALTH CARE AGENCY
Environmental Health

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

DATE: 12-12-89

FACILITY MODIFICATION
APPLICATION
(INSTALLATION/REMOVAL/REPAIR)
(COMPLETE PAGES 1 & 2)

"CUSD"

MAY: 38-B5

FACILITY INFORMATION
NAME: ~~SAN JUAN~~ Capistrano School Dist. UNIFIED
STREET ADDRESS: 26126 VICTORIA
CITY: Capistrano BEACH 92624
TOTAL NUMBER OF TANKS (AFTER INSTALLATION/REMOVAL)
AT THIS LOCATION: 4 → 2
TYPE OF BUSINESS:
GASOLINE STATION _____ FARM _____
GOVERNMENT _____ OTHER _____

TYPE OF CONSTRUCTION
INDICATE NO. OF TANK(S):
INSTALLATION(S) (COMPLETE PAGE 2) _____
REPAIR(S)/RELIN(S) _____
2 CLOSURE(S)/REMOVAL(S) 4 → 2
SYSTEM MODIFICATION (E.G., REPIPE) _____
OTHER (SPECIFY) _____
24 HOUR EMERGENCY CONTACT PERSON
DAYS: _____
NIGHTS: _____
NAME _____ TELEPHONE _____
NAME _____ TELEPHONE _____

TANK OWNER
NAME (CORP., INDIVIDUAL, PUBLIC AGENCY):
San Juan Capistrano School District
STREET ADDRESS: 32972 Calle Perfecto
CITY: SAN JUAN Capistrano
STATE: CA ZIP: 92675
TELEPHONE NO.: _____

APPLICANT
NAME: DAVID K. OLDFIELD
PLEASE PRINT
SIGNATURE: [Signature]
COMPANY NAME: Barney's Inc.
TELEPHONE NO.: 714-522-8673

BILLING ADDRESS INFORMATION
BILL TO NAME: _____
BILL TO ADDRESS: _____
CITY: _____
STATE: _____ ZIP: _____
TELEPHONE NO.: _____

FACILITY OPERATOR (CONTACT PERSON)
NAME: _____
BUSINESS TELEPHONE NO.: _____

NOTE: NEW INSTALLATIONS, CLOSURES REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION.

OFFICE USE ONLY

FACILITY PERMIT NO.: 7227 PLAN APPROVAL DATE: 12/8/89 BY: Allen NO.: 222
PLAN CHECK NO.: 89-490 FEES: \$ EXEMPT FINAL FIELD INSPECTION DATE: 12/27/89
NUMBER OF TANKS TO BE ADDED TO BILLING: _____ NUMBER OF TANKS TO RECEIVE A SURCHARGE BILL: 4 → 2
FORMS:FMA NO FEE (CUSD) Sarah
REV:10/30/89

USE ATTACHED PAGE

7227

I.

TANK I.D.		#1	#2	#3	#4	
MATERIALS	S-O-R-U-M CAS NO. OR WASTE I.D.	CURRENTLY				
		PROPOSED				
		PREVIOUSLY				
FUEL TYPE (IF TRADE SECRET, PLEASE STATE)						
C O N T A I N E R	TYPE (TANK, SUMP, OTHERS)					
	DOUBLE WALL/SINGLE WALL					
	UL NUMBER					
	YEAR INSTALLED					
	VAULTED/NOT VAULTED					
	A R M E R Y	MANUFACTURER				
		CAPACITY (GALLON)	550	550		
		CONSTRUCTION MATERIAL				
		THICKNESS (UNITS)				
	S U M P	INTERIOR LINING				
MANUFACTURER						
CAPACITY (GALLON)						
CONSTRUCTION MATERIAL						
P I P I N G	THICKNESS (UNITS)					
	CORROSION PROTECTION					
	TYPE OF LEAK DETECTION (LIQUID, VAPOR, ETC.)					
P I P I N G	MANUFACTURER OF LEAK DETECTOR					
	LOCATION (UNDER/ABOVE GROUND)					
	SUCTION/PRESSURE GRAVITY/UNKNOWN					
P I P I N G	PRIMARY	CONSTRUCTION MATERIAL				
		MANUFACTURER				
S E C O N D A R Y	SECONDARY	CONSTRUCTION MATERIAL				
		MANUFACTURER				
G A U G E	TYPE OF LEAK DETECTION (LIQUID, VAPOR, ETC.)					
		MANUFACTURER OF LEAK DETECTOR				
OVERFILL PROTECTION (TYPE)						
SPILL CONTAINMENT						

II. ATTACH A DIAGRAM (8 1/2" X 11") INCLUDE THE LOCATIONS OF THE UNDERGROUND STORAGE TANK(S), PIPING, AUXILIARY EQUIPMENT, BUILDINGS AND OTHER LANDMARKS.

OFFICE USE ONLY

MONITORING SYSTEM/ALTERNATIVE

7227

003 REMOVED
004
99999

TANK I.D.		00#1	00#2	00#3	00#4
MATERIALS	CAS NO. OR WASTE I.D.	DOT 1203	1993 FO	1993 FO	2070.W
	CURRENTLY				
	PROPOSED				
	PREVIOUSLY				
	FUEL TYPE (IF TRADE SECRET, PLEASE STATE)	GAS KNL 1	DIESEL 4	DIESEL 4	WASTE OIL 5
	TYPE (TANK, SUMP, OTHERS)	TANK			
	DOUBLE WALL/SINGLE WALL	SINGLE 2			
C	UL NUMBER	99			
O	YEAR INSTALLED	973	1973	1954	1954
	VAULTED/NOT VAULTED	NOT			
PRIMARY	MANUFACTURER	99			
	CAPACITY (GALLON)	10,000	5,000	550	550
	CONSTRUCTION MATERIAL	STEEL 1			
	THICKNESS (UNITS)	99			
	INTERIOR LINING	99			
SECONDARY	MANUFACTURER	97 N/A			
	CAPACITY (GALLON)	97			
	CONSTRUCTION MATERIAL	97			
	THICKNESS (UNITS)	97			
	CORROSION PROTECTION	96 NONE			
	TYPE OF LEAK DETECTION (LIQUID, VAPOR, ETC.)	2 INV. REC.	2	2	16 MANUAL GAUGING
	MANUFACTURER OF LEAK DETECTOR	97 N/A			
P	LOCATION (UNDER/ABOVE GROUND)	UNDER			
I	1 SUCTION/PRESSURE 2 GRAVITY/UNKNOWN	SUCTION	1	1	2 GRAVITY
PRIMARY	CONSTRUCTION MATERIAL	STEEL 1	1	1	1
	MANUFACTURER	99 UNKNOWN			
SECONDARY	CONSTRUCTION MATERIAL	97 N/A			
	MANUFACTURER	97 N/A			
G	TYPE OF LEAK DETECTION (LIQUID, VAPOR, ETC.)	97 N/A			
	MANUFACTURER OF LEAK DETECTOR	97 N/A			
	OVERFILL PROTECTION (TYPE)	96 NONE			
	SPILL CONTAINMENT	96 NONE			

II. ATTACH A DIAGRAM (8 1/2" X 11") INCLUDE THE LOCATIONS OF THE UNDERGROUND STORAGE TANK(S), PIPING, AUXILIARY EQUIPMENT, BUILDINGS AND OTHER LANDMARKS. 12/23/89 TANKS REMOVED

OFFICE USE ONLY

MONITORING SYSTEM/ALTERNATIVE	5	5	5	7
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SERVICE REQUEST - PROGRAM RECORD REQUEST

07/10/2017
4:31 pm

SR0130348 7025 UST PLAN CHECK - EACH TANK MODIFICATION

FA0025179 CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH

COMPLETION DATE
SUPERVISOR APPROVAL

7/10/17
[Signature]

PR 24884

ASSIGNED TO EE0000697 Le Minh ASSIGNED DATE 05/02/2017

Service Request Action Taken

5/2/2017 1 P60 Duarte

5/11/2017 P90 Ramirez ALEX MOJICA

5/8/2017 1 A08 Le Correspondences via email with Dejan R., contractor at Western Pump, regarding plan check review process.

5/8/2017 1 A08 Le Plan check review. Plan was approved.

Scope of work:

- Break ground to replace the corroded conduit and replace electrical wires.
- Install 1" PVC Coated Rigid Electrical Conduit stub in through new Bravo F-Series Split Retrofit-S sump penetration fitting in the diesel turbine sump.
- Conduct secondary sump test on the affected sump.
- Verify proper operation and functionality of affected sensors.

7/10/2017 A08 Le INSPECTOR COMMENT:

A copy of the secondary containment testing report was submitted to this Agency. The following component was tested and passed:
Diesel STP Pump

All piping penetrations were replaced in the Diesel Turbine Sump.

SR0130348 completed and closed this date.

6/23/2017 A08 Le INSPECTOR COMMENT:

On site for a final testing for repair work completed on the secondary containment system. Met with tester, Alexander Machado, of Western Pumps. Verified ICC Installation/Retrofitting and UST Service Technician certifications; certifications are all current.

The following repairs were performed:

- Replacement of all penetrations for the diesel turbine sump.

The following components were tested and PASSED:

- Diesel piping sump test



CUSD TRANSPORTATION CENTER
26126 VICTORIA BLVD
CAPISTRANO BEACH, CA 92624

Record ID: FA0025179
 Inspection Date: 06/23/2017
 Reinspection Date: N/A

Type of Facility: 7025-UST PLAN CHECK - EACH TANK
 MODIFICATION
 Service: A08-MODIFICATION INSPECTION
 Minh Le
 HAZARDOUS WASTE SPECIALIST I
 (714) 720-1327

Mailing Address:
 CAPISTRANO UNIFIED SCHOOL DIST
 Capistrano Unified School District Transportation
 Facility
 33122 VALLE RD
 SAN JUAN CAPISTRANO, CA 92675

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

OPENING COMMENTS

INSPECTOR COMMENT:

On site for a final testing for repair work completed on the secondary containment system. Met with tester, Alexander Machado, of Western Pumps. Verified ICC Installation/Retrofitting and UST Service Technician certifications; certifications are all current.

The following repairs were performed:

- Replacement of all penetrations for the diesel turbine sump.

The following components were tested and PASSED:

- Diesel piping sump test

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
 TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.



OC CUPA
 1241 E. Dyer Rd Ste. 120
 Santa Ana, CA 92705
 Tel: (714) 433-6000
 Fax: (714) 754-1768
www.occupainfo.com

UNDERGROUND STORAGE TANK

FACILITY MODIFICATION APPLICATION

Minh Le

RECEIVED HCA

SUBMIT A SEPARATE FORM FOR EACH TYPE OF CONSTRUCTION ACTIVITY

(e.g., Installations, Removals, System Modifications, Repairs, etc.)

MAY 02 2017

ENVIRONMENTAL PLTH

SITE INFORMATION

FACILITY NAME: Capistrano School District Fleet SUBMITAL DATE: 4/20/17
 ADDRESS: 26126 Victoria Blvd.
 CITY: Dana Point, CA TELEPHONE NO.: 949-234-9916
 ZIP CODE: 92642 CONTACT NAME: Humberto Ruiz

APPLICANT REQUESTOR

APPLICANT NAME: Dejan Ristic COMPANY NAME: Western Pump
 ADDRESS: 3235 F Street
 CITY: San Diego
 STATE: CA ZIP: 92102
 TELEPHONE NO.: 619-446-9043
 ALTERNATE # (CELL, PAGER): 619-446-9043

PAID

x *Dejan Ristic*
 APPLICANT'S SIGNATURE (TANK OWNER OR DESIGNEE)

UPC UST Forms are required to be submitted prior to pick up of approved UST plans. Forms provided at Plan Check Counter or at <http://www.occupainfo.com/forms.htm>

TYPE OF CONSTRUCTION

UST PLAN TYPE:

- | | |
|---|------------|
| <input type="checkbox"/> INSTALLATION (S): _____ | T01 |
| <input type="checkbox"/> CLOSURE (S) – REMOVAL (S): _____ | T02 |
| <input type="checkbox"/> SYSTEM MODIFICATION (REPIPE, REPAIR TO PIPING) | T03 |
| <input type="checkbox"/> REPAIR (S) OR RELINE (S) USTs | T04 |
| <input checked="" type="checkbox"/> OTHER (SPECIFY): _____ | T05 |
- Replace Corroded Conduit /Pull New Sensor Wiring from Exterior of Service Bldg to Diese UST STP Sump

CONTRACTOR INFORMATION

(Persons performing work on USTs must meet specific State Contractors Licensing Board requirements)

CONTACT: Dejan Ristic
 CONTRACTOR: Western Pump, Inc.
 ADDRESS: 3235 F Street
 CITY: San Diego
 STATE: CA ZIP: 92102
 TELEPHONE NO.: 619-446-9043
 CONTRACTORS LICENSE TYPE: C61/D40 HAZ A C10
 CONTRACTORS STATE LICENSE #: 673853

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED.

HSD 378190 EO 5-2-17

SR # 0130348 PE: 7025 FEES PAID: 4490 CHECK # AMEX RCVD BY: EO

PLAN APPROVAL DATE: Minh Le M.L. BY: Minh Le FA # 25179

5/8/17

PR 24884

2018



10/10

FIELD

WESTERN PUMP, INC.

petroleum & lubrication equipment specialists



PROJECT: **REPLACE DAMAGED CONDUIT/SENSOR WIRE**
LOCATION: **CAPISTRANO SCHOOL DISTRICT FLEET GARAGE**
26126 Victoria Boulevard, Dana Point, CA 92642

SCOPE of WORK

RE: Replace sump sensor wire and conduit damaged from corrosion at Capistrano School District Fleet Garage/Fuel Station, located at 26126 Victoria Blvd Dana Point, California 92642.

SCOPE of WORK:

- Obtain necessary permit from OCDEH (if required) to perform below Scope of Work.
- Saw Cut approximately 125 lf of 6-8 inch thick concrete pavement.
- Break-out, Remove, Load, Haul, and Dispose of approximately 125 cu. Ft. (4.65 yards) of concrete debris.
- Excavate trench as necessary to replace corroded conduit per National Electric Code and AHJ.
- Install new 1" PVC Coated Rigid Electrical Conduit-stub up at exterior of service building and connect to existing gutter box.
- Install 1" PVC Coated Rigid Electrical Conduit stub-in through new Bravo F-Series Split Retrofit-S sump penetration fitting at underground storage tank turbine STP sump.
- Install approximately 80 lf of 1" Schedule 40 PVC conduit and pull in new sensor wiring as required.
- Backfill and compact trench.
- Drill and dowel into existing concrete using #4 rebar installed on 18" centers.
- Place and finish approximately 250 sf of concrete using 2500psi Standard Street mix design.
- Conduct secondary sump test on the affected sump.
- Verify proper operation and functionality of affected sensors.
- Provide all necessary documentation to owner and AHJ as required within 5 days of completion.
- Clean up all debris caused by our work.

APPROVED

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HAZARDOUS MATERIALS MANAGEMENT SECTION
THIS APPROVAL IS VALID FOR 12 MONTHS FROM
THE APPROVAL DATE


Plan reviewed by

5/8/17
Date

0130348
Pan #

This approval shall not be construed to permit the violation of any law, nor does it authorize corrections of errors found on the plans. Plans must be resubmitted for approval if additional changes are made by the applicant.

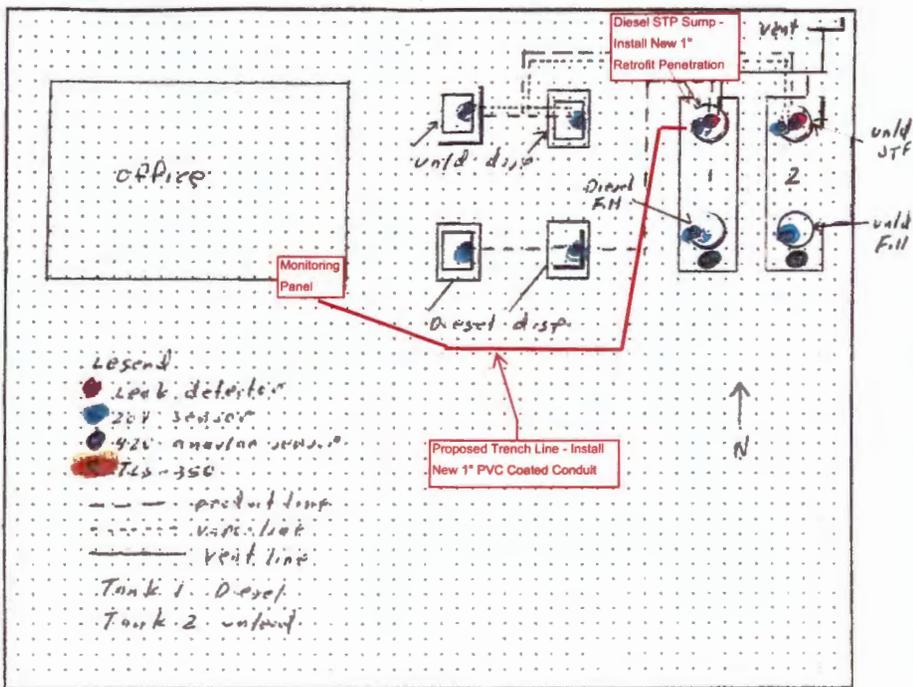
With this approval, all applicable permits required by the local fire department and the air quality management district must be obtained.

3235 "F" Street • San Diego, CA 92102-3315 • (619) 239-9988 • Fax (619) 239-9925
www.westernpump.com

A copy of these approved plans must be available at the site at all times.

UST Monitoring Site Plan

Site Address: 20122 Victoria



Date map was drawn: / /

Instructions

If you already have a diagram that shows all required information, you may include it, rather than this page, with your Monitoring System Certification. On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

Page of

05/90

APPROVED

ORANGE COUNTY HEALTH CARE AGENCY
 ENVIRONMENTAL HEALTH DIVISION
 HAZARDOUS MATERIALS MANAGEMENT SECTION
 THIS APPROVAL IS VALID FOR 12 MONTHS FROM
 THE APPROVAL DATE

 Plan reviewed by 5/8/17 Date 0130348 Plan #

This approval shall not be construed to permit the violation of any law, nor does it prevent further corrections of errors found on the plans. Plans must be resubmitted for approval if any additional changes are made by the applicant.

In addition to this approval, all applicable permits required by the local fire department, Building department and the air quality management district must be obtained.

Underground tank installation, removal and repair inspections are required and must be scheduled 48 hours in advance. Contact this office at (714) 433-6000 for an appointment.

A copy of these approved plans must be available at the site at all times.

RECEIVED HCA

MAY 02 2017

ENVIRONMENTAL HEALTH



Amendment



OC CUPA
1241 E. Dyer Rd Ste. 120
Santa Ana, CA 92705
Tel: (714) 433-6000
Fax: (714) 754-1768
www.occupainfo.com

UNDERGROUND STORAGE TANK

FACILITY MODIFICATION APPLICATION

SUBMIT A SEPARATE FORM FOR EACH TYPE OF CONSTRUCTION ACTIVITY
(e.g., Installations, Removals, System Modifications, Repairs, etc.)

SITE INFORMATION

FACILITY NAME: Capistrano School District Fleet
SUBMITAL DATE: 6/7/17
ADDRESS: 26126 Victoria Blvd.
CITY: Dana Point, CA
TELEPHONE NO.: 949-234-9916
ZIP CODE: 92642
CONTACT NAME: Humberto Ruiz

APPLICANT REQUESTOR

APPLICANT NAME: Kellen Hanemaayer
COMPANY NAME: Western Pump, Inc
ADDRESS: 3235 F Street
CITY: San Diego
STATE: CA ZIP: 92102
TELEPHONE NO.: 619-446-9818
ALTERNATE # (CELL, PAGER): 619-446-9818

Digitally signed by Kellen Hanemaayer
DN: cn=Kellen Hanemaayer, email=khanemaayer@westernpump.com,
c=US, ou=Western Pump, o=Western Pump, ou=Kellen Hanemaayer
X Kellen Hanemaayer
Reason: I have reviewed this document
Date: 2017.06.07 09:42:42-07'00'
APPLICANT'S SIGNATURE (TANK OWNER OR DESIGNEE)

UPC UST Forms are required to be submitted prior to pick up of approved UST plans. Forms provided at Plan Check Counter or at <http://www.occupainfo.com/forms.htm>

TYPE OF CONSTRUCTION

UST PLAN TYPE:

- INSTALLATION (S): _____
- CLOSURE (S) – REMOVAL (S): _____
- SYSTEM MODIFICATION (REPIPE, REPAIR TO PIPING)
- REPAIR (S) OR RELINE (S) USTs
- OTHER (SPECIFY):
Replace Penetration Diesel UST STP Sump

CODE

- T01**
- T02**
- T03**
- T04**
- T05**

CONTRACTOR INFORMATION

(Persons performing work on USTs must meet specific State Contractors Licensing Board requirements)

CONTACT: -Dejan Ristic
CONTRACTOR: Western Pump, Inc.
ADDRESS: 3235 F Street
CITY: San Diego
STATE: CA ZIP: 92102
TELEPHONE NO.: 619-578-2180
CONTRACTORS LICENSE TYPE: C61/D40 HAZ A C10
CONTRACTORS STATE LICENSE #: 673853

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL.

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED.

OFFICE USE ONLY

SR # _____ PE: _____ FEES PAID: _____ CHECK # _____ RCVD BY: _____

PLAN APPROVAL DATE: _____ BY: _____ FA # _____

WESTERN PUMP, INC.

petroleum & lubrication equipment specialists



PROJECT: **REPLACE DAMAGED CONDUIT/SENSOR WIRE**
LOCATION: **CAPISTRANO SCHOOL DISTRICT FLEET GARAGE**
26126 Victoria Boulevard, Dana Point, CA 92642

SCOPE of WORK

RE: Replace sump sensor wire and conduit damaged from corrosion at Capistrano School District Fleet Garage/Fuel Station, located at 26126 Victoria Blvd Dana Point, California 92642.

SCOPE of WORK:

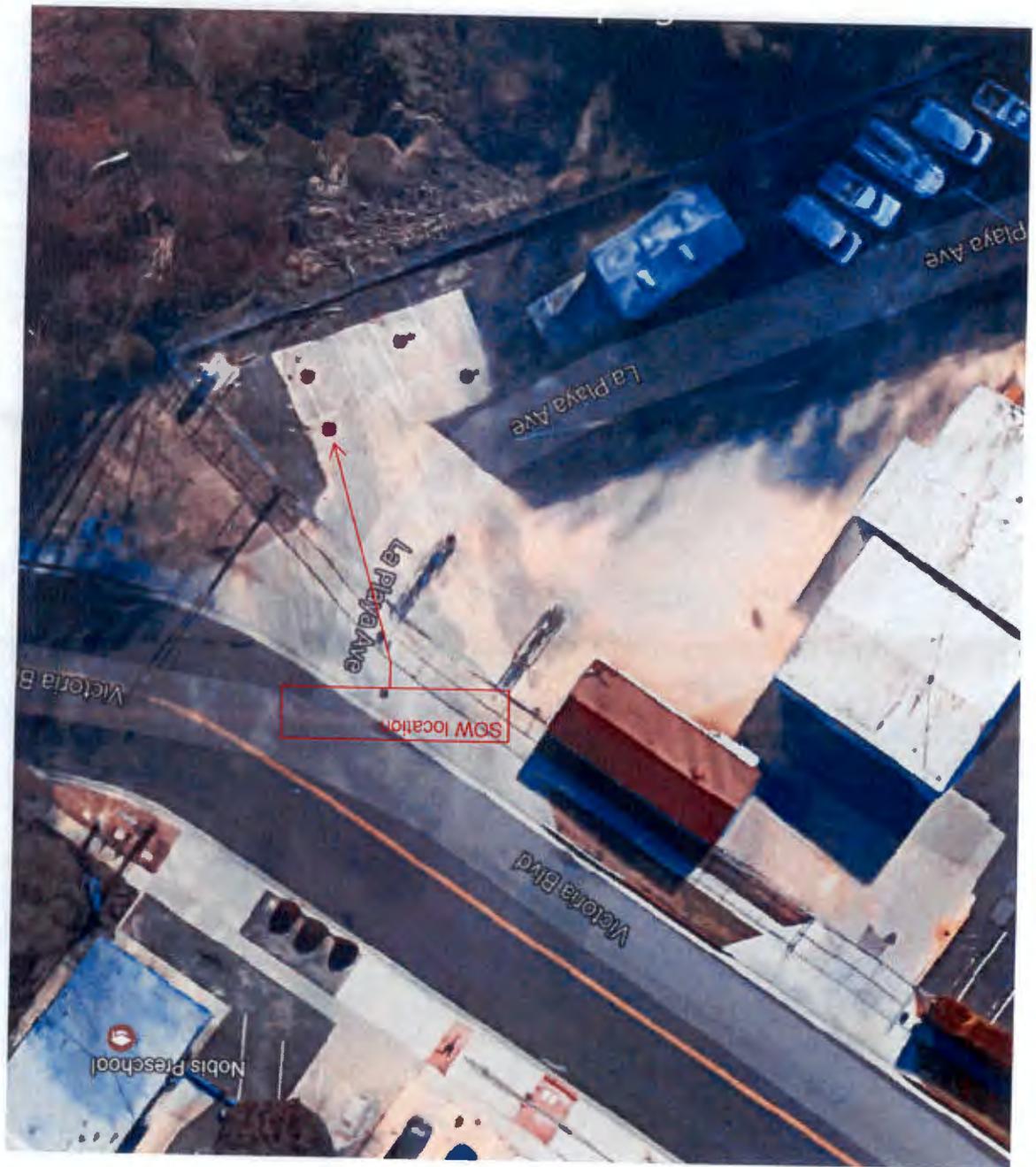
- Obtain necessary permit from OCDEH (if required) to perform below Scope of Work.
- Install (qty 1) 1" and (qty 4) 3/4" PVC Coated Rigid Electrical Conduit stub-in through new Bravo F-Series Split Retrofit-S sump penetration fitting at underground storage tank turbine STP sump.
- Install (qty 1) 2.5" Rigid new Bravo F-Series Split Retrofit-S sump penetration fitting at underground storage tank turbine STP sump.
 - Conduct secondary sump test on the affected sump.
 - Schedule final testing with OCDEH

Kellen Hanemaayer
Project Manager

WESTERN PUMP, Inc.

3235 F St., San Diego, CA 92102
Office (619) 578-2180 | Cell (619) 448-9818 | Fax (619) 238-7406
DIR#1000006997 | Contractors Lic. No. 673853 A,B,C10, & C-61/D40
www.westernpump.com





From: [Upstill, Katherine](#)
To: [Robert Lovdahl](#)
Subject: RE: OCFA Public Records Request
Date: Monday, February 11, 2019 4:52:14 PM
Attachments: [images001.png](#)
[06_062167.pdf](#)

Hi Robert,

The following attachment is the incident report for incident # 06-062167-Chemical Spill/Leak on 09/29/2006 at the location of 26126 Victoria Blvd., Dana Point. Please let us know if you have any questions.

Thank you,

Sincerely,



Katherine Upstill

Administrative Assistant
Orange County Fire Authority
Office: 714.573.6040 | Fax: 714.368.8826

We visualize problems and solutions through the eyes of those we serve.

NOTICE: The information contained in this message may contain privileged and confidential information that is protected from disclosure under various laws, including the Health Insurance Portability and Accountability Act (HIPAA). If you are not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited and may subject you to criminal or civil penalties. If you have received this communication in error, please notify the sender by reply email and delete any copies. Thank you.

From: Robert Lovdahl [mailto:Robert.Lovdahl@leightongroup.com]
Sent: Friday, February 08, 2019 3:44 PM
To: Clerk of the Authority <COA@ocfa.org>
Subject: OCFA Public Records Request

Mimecast Attachment Protection has deemed this file to be safe, but always exercise caution when opening files.

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To Whom it May Concern,

Leighton and Associates, Inc. (Leighton) is performing a Phase I Environmental Site Assessment for the property located at the following address:

26126 Victoria Boulevard, Dana Point, California 92624

We are requesting any information concerning hazardous waste/materials, underground storage tanks, leaking underground storage tank cleanups, inspections, violations, or any other environmental sensitive spills, responses or concerns. Attached is a copy of the General Public Request Form.

Thank you for your assistance.

Robert Lovdahl, PG

Project Geologist
17781 Cowan
Irvine, CA 92614
Cell – (949) 307-0527
Office – (949) 681-4282

Leighton

Solutions You Can Build On

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Orange County Fire Authority
1 Fire Authority Road
Irvine, CA 92602
714-573-6000
1-800-545-5585
Official Incident Report

Report Date: 2/11/2019

Incident: 2006-062167-000

Incident Number 2006-062167-000
Incident Date 9/29/2006
Incident Status Closed
Alarm Time 9/29/06 18:31
Arrival Time 9/29/06 18:35
Cleared Time 9/29/06 18:55
Incident Type 422 - Chemical spill or leak
Shift C
Station FS29
Alarms 1
District 6752Y
Mutual Aid N - None
Action Taken 1 47 - Decontaminate occupancy or area
Action Taken 2

Location: 2006-062167-000

Location Type 1 - Street Address
Directions NEAR CAMINO CAPISTRANO
Address 26126 VICTORIA Blvd
City DANA POINT
State CA
Longitude
Latitude
Occupant Alerted by Detector
Property Use 173 - Bus station
Estimated Property Loss
Estimated Content Loss

Unit E29

Main Use 3 - Other
 Unit Type 11 - Engine
 Number of Personnel 4
 Actions Taken 46 - Decontaminate persons or equipment
 Dispatch Time
 Enroute Time
 Arrival Time
 Clear Time
 Reporting Member 0506 BARTLETT RICHARD
 Assignment Date 09/29/2006

Narrative:

Incident Narrative

At 1831 hours on Friday, September 29, 2006 we were dispatched to a chemical spill/leak. One unit was assigned to this incident. Four personnel responded. We arrived on scene at 1835 hours and cleared at 1855 hours. The incident occurred at 26126 VICTORIA Blvd DANA POINT CA in District 6752Y . The local station is FS29. The general description of this property is bus station. The primary task(s) performed at the scene by responding personnel was decontamination of occupancy/area. No mutual/automatic aid was given or received.

Alarm number 0062167 has been assigned to this incident.

Unit Narrative

At 1831 hours on Friday, September 29, 2006 Unit E29 was dispatched to a chemical spill/leak. Four personnel responded. We arrived on scene at 1835 hours and cleared at 1853 hours. The primary task(s) performed at the scene by responding personnel was decontamination of persons/equipment.

Personnel on Unit E29

Unit Member 0506 BARTLETT RICHARD
 Unit Member 4350 JONES JASON
 Unit Member 4150 MURPHY MICHAEL
 Unit Member 4634 BART JEREMY

ORANGE COUNTY FIRE AGENCY
 OFFICIAL CONTROLLED DOCUMENT
 REPLICATION OR RESISTANCE CONTROLLED BY LAW

Released By Katherine Upstill

Special Note: This report is subject to minor revisions for purposes of clarification or to correct typographic errors. The information provided in this report is deemed current as of the print date/time noted in the lower right corner of this report.

2/11/2019

Public Records Request - Details

Request #2019-92

26126 Victoria Blvd - Property information including historical building permits, hazardous waste/materials, underground storage tanks, environmental cleanups, inspections or violations.

Status : COMPLETED

Due Date : 2019-Mar-02

Uploaded Files

 Download 26126 Victoria Blvd PRR.pdf (staff uploaded file)

Be careful when downloading files, scan for viruses before opening.

Submitted 2019-Feb-19 by Rober Lovdahl

Correspondence

1.  Request received 2 Days Ago

2.  Message from S.M., 2019-Feb-21

Dear Robert,

The city staff has researched your Public Record Act Request for 26126 Victoria Blvd. Please find attached the responsive records related to your request. Please contact the Capistrano Unified School district for further information.

Regards,

Shelly Mahl

City Clerk Specialist

City of Dana Point

33282 Golden Lantern, Ste 203

Dana Point, CA 92629

smahl@danapoint.org

(949) 248-3529

smahl@danapoint.org

 Download 26126 Victoria Blvd Code Violations.pdf (staff uploaded file)

 Download 26126 Victoria Boulevard , Permits.pdf (staff uploaded file)

3.  Request completed 2019-Feb-21

[Back To List](#)

City of Dana Point
Case Activity History
BUILDING

Case Number CE15-1204
Case Name Storage containers on Property
Type 18 PROPERTY MAINT
Subtype
Status CASE CLOSED
Description:

Opened 9/30/2015 JRR
Closed 1/25/2016 JRR
Last Action 1/25/2016 JRR
Follow Up 1/25/2016 JRR

Site Address 26126 Victoria City Dana Point State Zip CA 92624 Site APN 668-361-01

Owner , School Capistrano Beach Dist Resident
Address 32972 Calle Perfecto
San Juan Capistrano CA 92675

Action Date	Completion Date	Action Type	Action By/ Action Description
1/25/2016		OTHER	JEFF ROSALER (JRR) Case closed as City does not have jurisdiction of property.
10/20/2015		Phone Call	JEFF ROSALER (JRR) Mark and Doug spoke with individuals from CUSD



CITY OF DANA POINT

COMMUNITY DEVELOPMENT
CODE ENFORCEMENT DIVISION
33282 Golden Lantern, Suite 212
Dana Point, Ca 92629
949.248.3564
(www.danapoint.org)

September 30, 2015

CAPISTRANO BEACH SCHOOL DISTRICT
32972 CALLE PERFECTO
SAN JUAN CAPISTRANO, CA 92675

Subject Address: 26126 VICTORIA BLVD
Notice of Violation: #CE15-1204

Dear Property Owner,

It has come to the City's attention that storage container(s) are being permanently stored on your property. This condition is considered a nuisance in violation of the Dana Point Municipal Code, Section 6.14.002 (l) as shown below.

6.14.002 Public Nuisances Designated.

(l) Except where construction is occurring under a valid permit, lumber, junk, trash, garbage, salvage materials, rubbish, hazardous waste, refuse, rubble, broken asphalt or concrete, **containers**, broken or neglected machinery, furniture, appliances, sinks, fixtures or equipment, scrap metals, machinery parts, or other such material stored or deposited on property such that they are visible from a public street, alley or neighboring property;

The following actions are required by October 12, 2015:

1. Remove the storage container from your property.
2. Please notify me when compliance has been obtained.

If you have any questions or think the condition described is not in violation with the referenced Code, please contact me at (949) 248-3559 or at jrosaler@danapoint.org.

Sincerely,

Jeff Rosaler
Code Enforcement Office
City of Dana Point

City of Dana Point
Case Activity History
BUILDING

Case Number **CE08-0101**
Case Name unprotected stockpile in rainy season
Type 24 WATER QUALITY
Subtype Other - school district
Status CASE CLOSED

Opened 2/4/2008 LGZ
Closed 2/4/2008 LGZ
Last Action 2/5/2008 LGZ
Follow Up 2/5/2008 LGZ

Description:

Site Address 26126 VICTORIA BLVD City Dana Point State Zip CA 92624 Site APN 668-361-01

Owner School Capistrano Beach, Schoo Resident
Address 32972 Calle Perfecto
San Juan Capistrano CA 92675

Action Date	Completion Date	Action Type	Action By / Action Description
2/4/2008		Verbal Warning	LISA ZAWASKI (2/4/2008 11:08 LGZ) Action Created Verbal warning provided to Al (manager) at 949-234-9528. Al indicated that he could call someone on site to berm the stockpile and keep it covered when not in use. (2/5/2008 08:09 LGZ) 2/5/08 - stockpile covered. LGZ

APPLICATION FOR ELECTRICAL PERMIT

REGIONAL OFFICE
22921 TRITON WAY
LAGUNA HILLS, CA 92653
(714) 472-7022 / 7023

COUNTY OF ORANGE
ENVIRONMENTAL MANAGEMENT AGENCY
REGULATION

CENTRAL OFFICE **1**
12 CIVIC CENTER PLAZA
PO BOX 4048
SANTA ANA, CA 92707
(714) 634-2630 / 2631

BUILDING ADDRESS 26126 VICTORIA BL		TRACT	LOT NO.
COUNTY AREA CARISTINA BEACH	NEAREST CROSS ST 5th ST	CONTRACTOR RAYCON CORP	
OWNER LAGUNA CAS SCHOOL DIST.	ADDRESS 7910 ADAMS ST		
PROPOSED USE CAS PUMPS	PRESENT USE CAS PUMPS	CITY PARRAMOUNT	TEL NO 213 5322902
TYPE OF FIXTURE OR ITEM		PER UNIT	FEE
Relocated Dwelling 10 sq ft or fraction		3.30 sq ft	C
Garage 100 sq ft or fraction		.25 sq ft	
Relocated Dwelling Pre-Lowering Inspection (In addition to fees shown above)		16.00	T
Above Fees Cover All Electrical Installations Within New or Relocated Dwellings Except Air Conditioner Does Not include Service Meter			
Fixtures		1 - 20 .70 ea Additional .40 ea	
Outlets		1 - 20 .70 ea Additional .40 ea	
Electric Appliances of Factory-wired self-contained units (No 5)		8.00 ea	
Time Clocks (No)		3.00 ea	
Pole Mount		2.50 ea	
Fixtures (No)		Add'l Fixtures .50 ea	
Special Equipment Inspection (No Hours)		(Min) 1 Hour 16.00 33.00	
Residential Service Meter - Underground (No)		5.00 ea	
Commercial Service Meters Underground (No)		16.00 ea	
Work-with Service		Residential 24.00 Commercial 33.00	
Construction or Permanent Pole Pedestal or Piggy Back (No)		Metered pole 24.00 Add'l poles on same service 8.00 ea	
Other List generators, motors transformers etc. & give rating in HP, KW or KVA		(See schedule)	
Motors up to & incl 1 H P		3.50 ea	
1 to 10		8.00	
10 to 50		18.00	
50 to 100		24.00	
Over 100 & not over 500		41.00	
Permit Issuance Fee		8.00	
Sub-Total		48.00	
Construction Index %		163	
Building Permit Number AC	TOTAL PERMIT FEE	49.63	
Verified By JA			

CERTIFICATE FOR REGULATION PERMIT

Contractors

I certify that the following Contr Lic No 417175 and Classification C-10 is in full force and effect. Workman's Compensation Insurance Certificate on file verified by WMC 417175 Expiration date 1-11-88

Other Applicants

I hereby certify I am exempt from Sec 7031.5 of the Business and Professions Code, Div. 3 Chap. 9, Contractor's License Law under the following section:

Owner (Sect 7044), or

Minor Work under \$200 (sect 7048), or

Employee working for wages only (sect 7053), or

OTHER _____

Certification of Exemption from Sect 3800 of the California Labor Code Article 3 Construction Permit

The permit is for One Hundred Dollars (\$100) or less

I certify that in the performance of the work for which the permit is issued I shall not employ any person in any manner so as to become subject to the Workman's Compensation laws of California

If after making such certification the applicant for this permit should become subject to the Workman's Compensation provisions of the Labor Code, the applicant shall forthwith comply with the provisions of Sect 3700 or this permit shall be deemed revoked.

I hereby acknowledge and state that the information I have provided is correct both on the permit and this certificate and agree to comply with all County Ordinances and State laws regulating building construction.

Raycon Corp Date 8-4-86
(Applicants Signature)

APPLICATION APPROVED BY ML 8/4/86
(SIGNATURE) (DATE)

METERS AND SERVICES	LIGHT	POWER	AC & RFG	VOLT	PHASE

INSPECTION RECORD		
APPROVALS	DATE	INSP SIGNATURE
UNDERGROUND	8/3/86	<i>[Signature]</i>
ROUGH WIRING		
FIXTURES		
SERVICE		
WORK-WITH RELEASE		
FINAL APPROVAL		
UTILITY NOTIFIED		

VALIDATION

MAR 14 1989

8 080486 615596 49.63 ELB250 \$49.63 TOTAL

APPENDIX G
AERIAL PHOTOGRAPHS



Leighton



CUSD South Transportation Yard

26126 Victoria Boulevard

Capistrano Beach, CA 92624

Inquiry Number: 5560241.11

February 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

02/12/19

Site Name:

CUSD South Transportation Y&
26126 Victoria Boulevard
Capistrano Beach, CA 92624
EDR Inquiry # 5560241.11

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614
Contact: Robert Lovdahl



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
1990	1"=500'	Flight Date: August 29, 1990	USDA
1989	1"=500'	Flight Date: August 03, 1989	USDA
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1974	1"=500'	Flight Date: November 06, 1974	USGS
1967	1"=500'	Flight Date: May 07, 1967	USGS
1952	1"=500'	Flight Date: December 12, 1952	USDA
1949	1"=500'	Flight Date: May 05, 1949	USDA
1946	1"=500'	Flight Date: December 29, 1946	USGS
1938	1"=500'	Flight Date: June 21, 1938	USDA

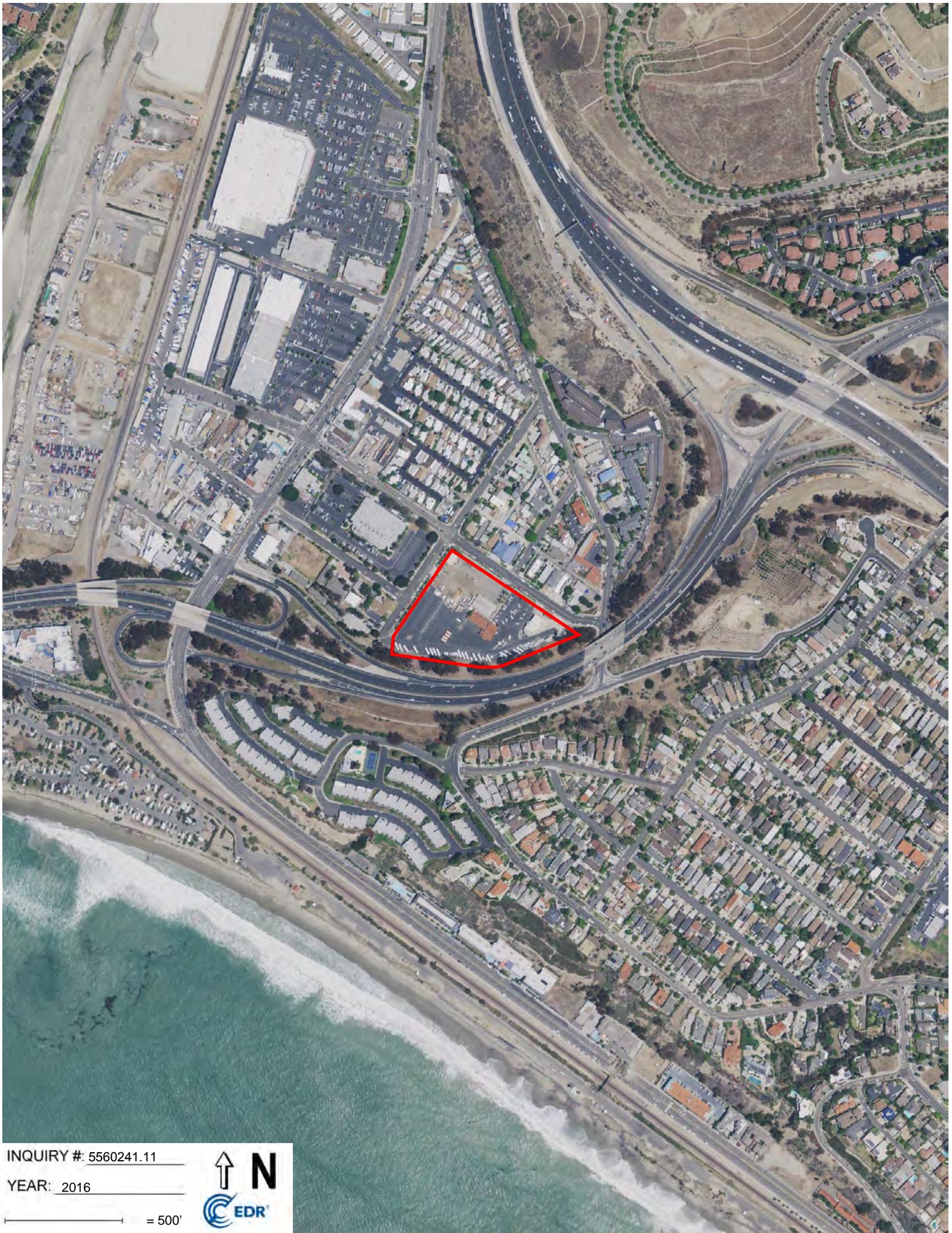
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INQUIRY #: 5560241.11

YEAR: 2016

— = 500'



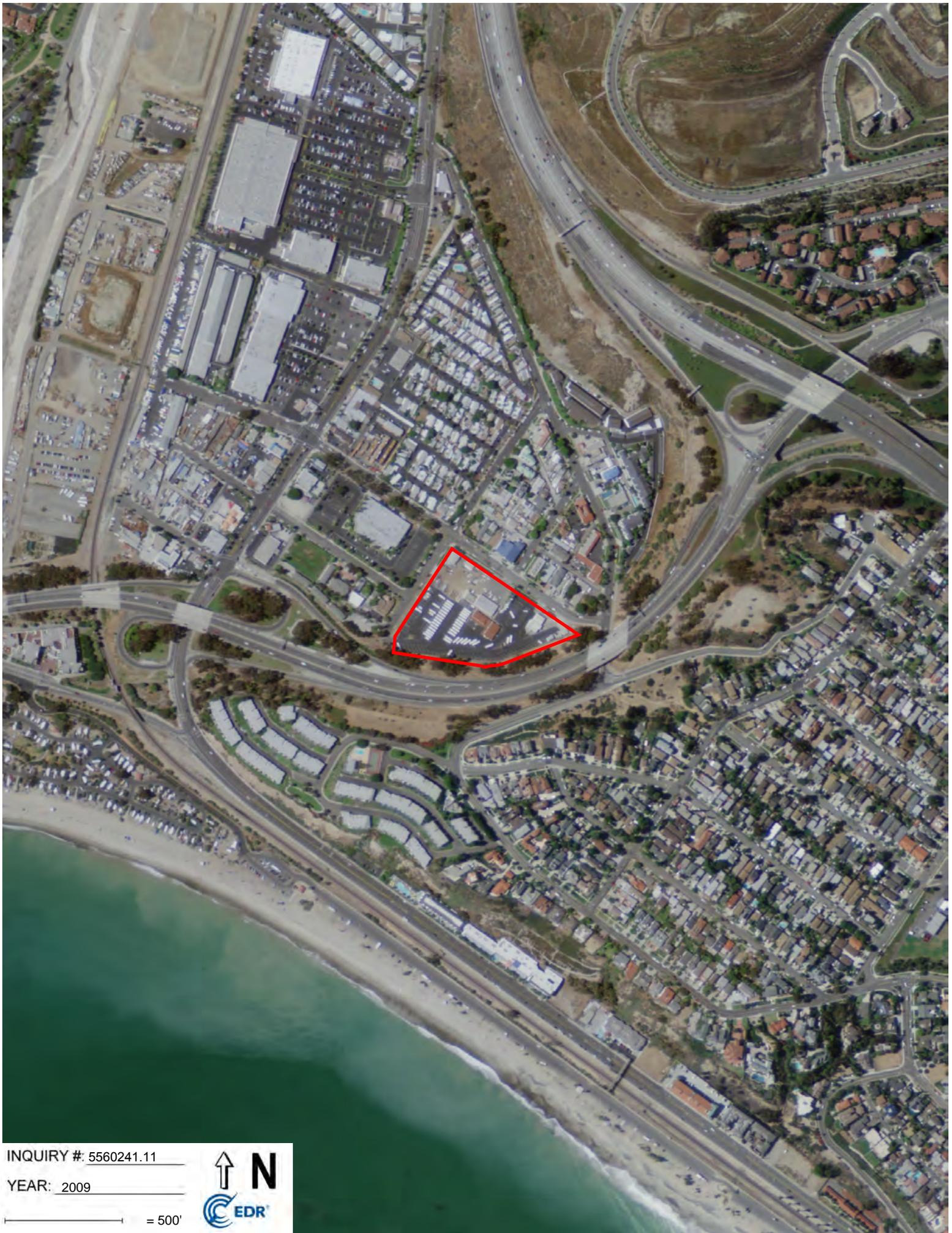


INQUIRY # 5560241.11

YEAR: 2012

— = 500'





INQUIRY #: 5560241.11

YEAR: 2009

— = 500'





INQUIRY #: 5560241.11

YEAR: 2005

— = 500'





INQUIRY #: 5560241.11

YEAR: 1994

— = 500'





INQUIRY # 5560241.11

YEAR: 1990

— = 500'





INQUIRY #: 5560241.11

YEAR: 1989

— = 500'





INQUIRY #: 5560241.11

YEAR: 1977

— = 500'





INQUIRY #: 5560241.11

YEAR: 1974

— = 500'





INQUIRY # 5560241.11

YEAR: 1967

— = 500'





INQUIRY #: 5560241.11

YEAR: 1952

— = 500'





INQUIRY #: 5560241.11

YEAR: 1949

— = 500'





INQUIRY #: 5560241.11

YEAR: 1946

— = 500'





INQUIRY #: 5560241.11

YEAR: 1938

— = 500'



APPENDIX H
TOPOGRAPHIC MAPS



Leighton

CUSD South Transportation Yard

26126 Victoria Boulevard

Capistrano Beach, CA 92624

Inquiry Number: 5560241.4

February 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

02/12/19

Site Name:

CUSD South Transportation Y&
26126 Victoria Boulevard
Capistrano Beach, CA 92624
EDR Inquiry # 5560241.4

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614
Contact: Robert Lovdahl



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Leighton and Associates, Inc. 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.#	12289.001	Latitude:	33.464211 33° 27' 51" North
Project:	Phase I ESA - 26126 Victoria	Longitude:	-117.67489 -117° 40' 30" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	437286.23
		UTM Y Meters:	3702955.01
		Elevation:	49.58' above sea level

Maps Provided:

2012
1975
1968
1949
1948
1947
1906
1902

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Dana Point
2012
7.5-minute, 24000

1975 Source Sheets



Dana Point
1975
7.5-minute, 24000
Aerial Photo Revised 1967

1968 Source Sheets



Dana Point
1968
7.5-minute, 24000
Aerial Photo Revised 1967

1949 Source Sheets



Dana Point
1949
7.5-minute, 24000
Aerial Photo Revised 1946

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1948 Source Sheets



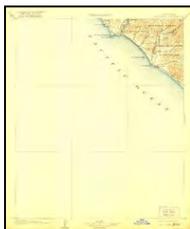
Dana Point
1948
7.5-minute, 24000
Aerial Photo Revised 1946

1947 Source Sheets



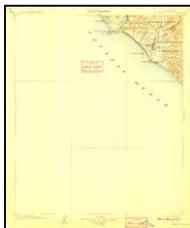
SAN JUAN CAPISTRANO
1947
15-minute, 50000

1906 Source Sheets

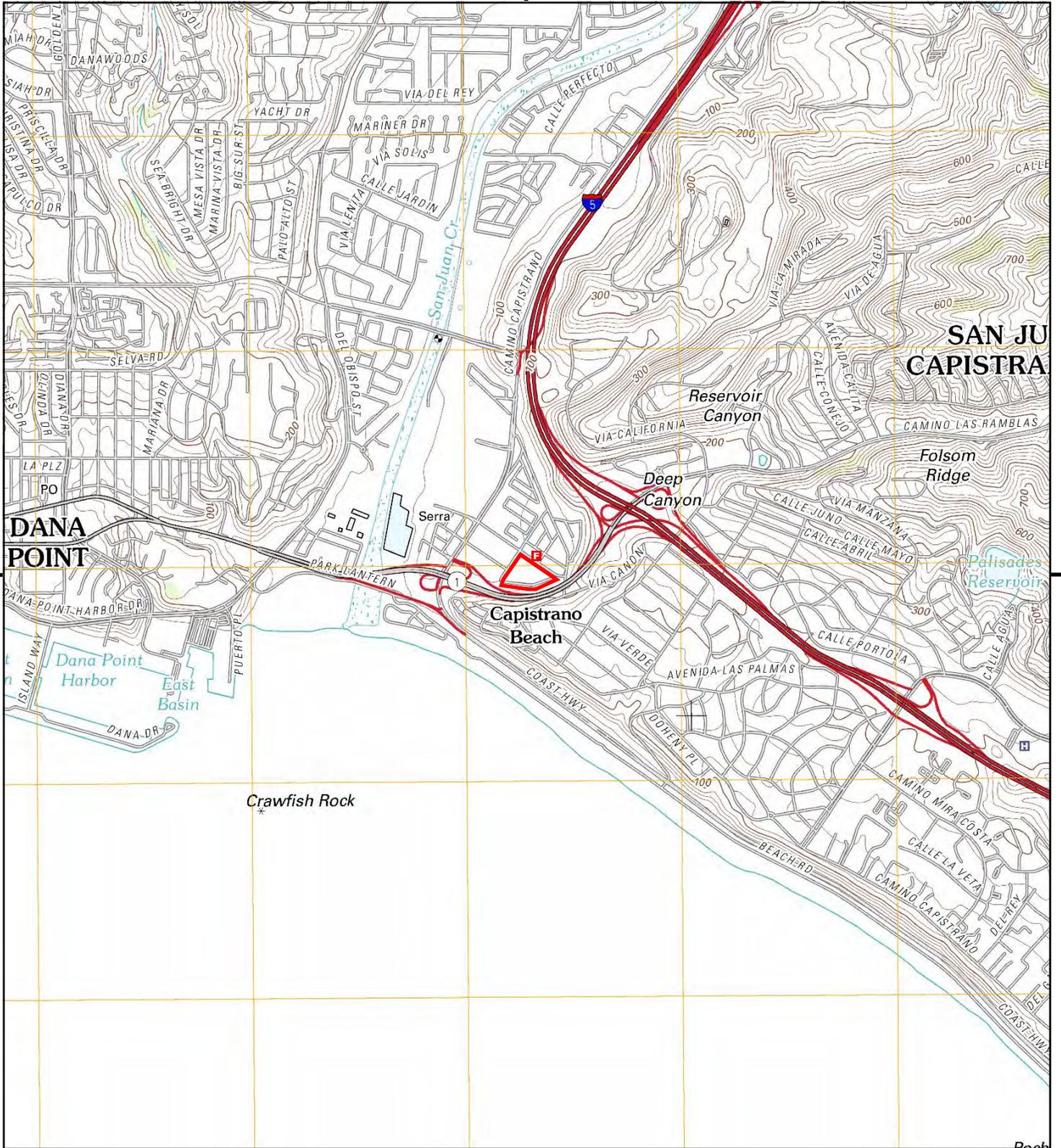


Capistrano
1906
30-minute, 125000

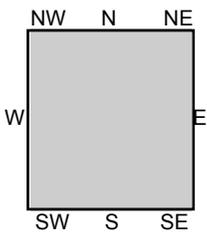
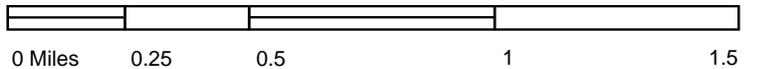
1902 Source Sheets



Capistrano
1902
30-minute, 125000



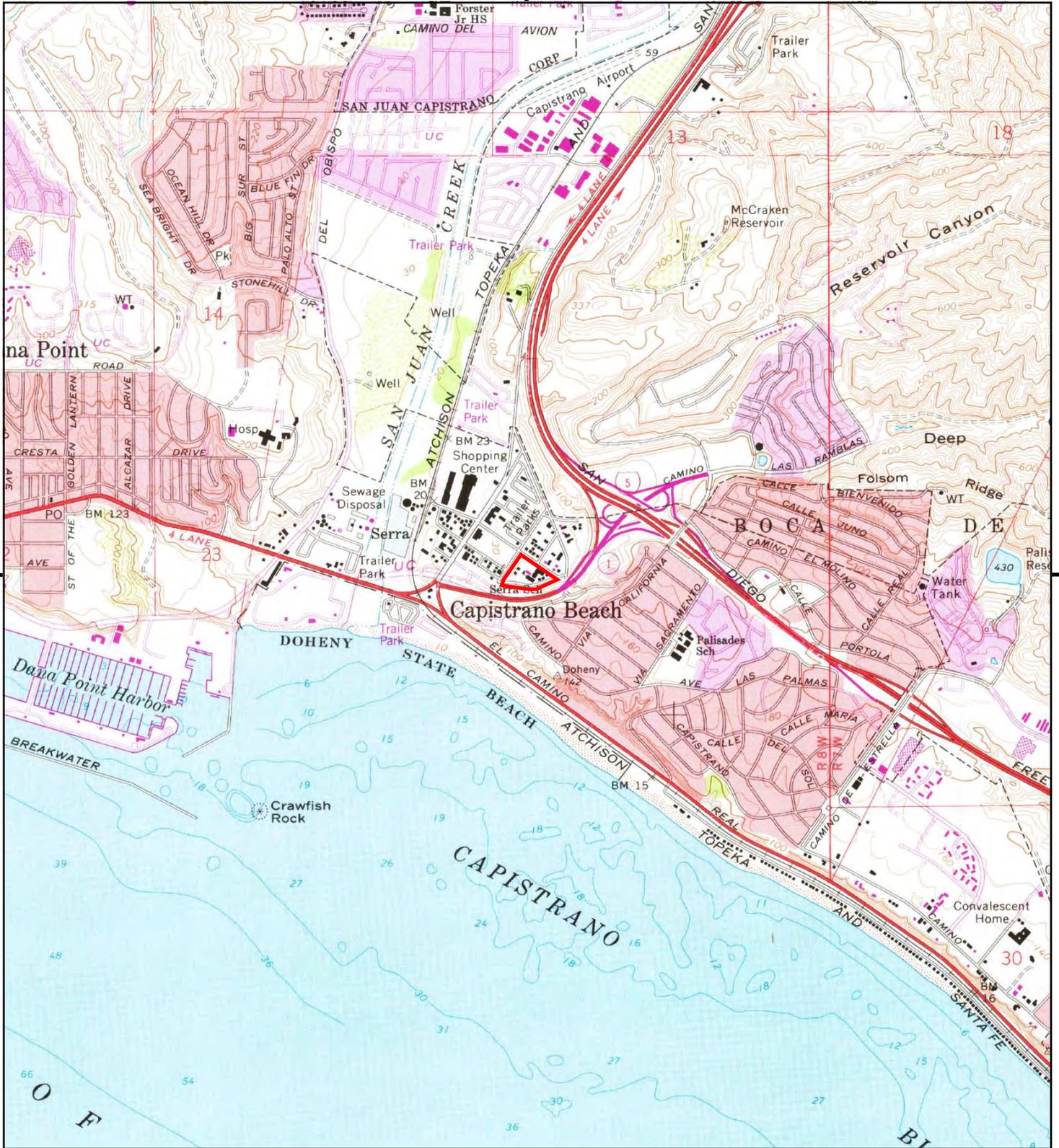
This report includes information from the following map sheet(s).



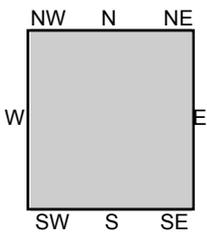
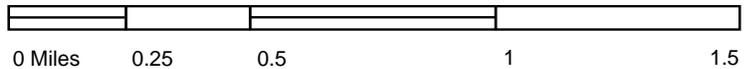
TP, Dana Point, 2012, 7.5-minute

SITE NAME: CUSD South Transportation Yard
ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
CLIENT: Leighton and Associates, Inc.





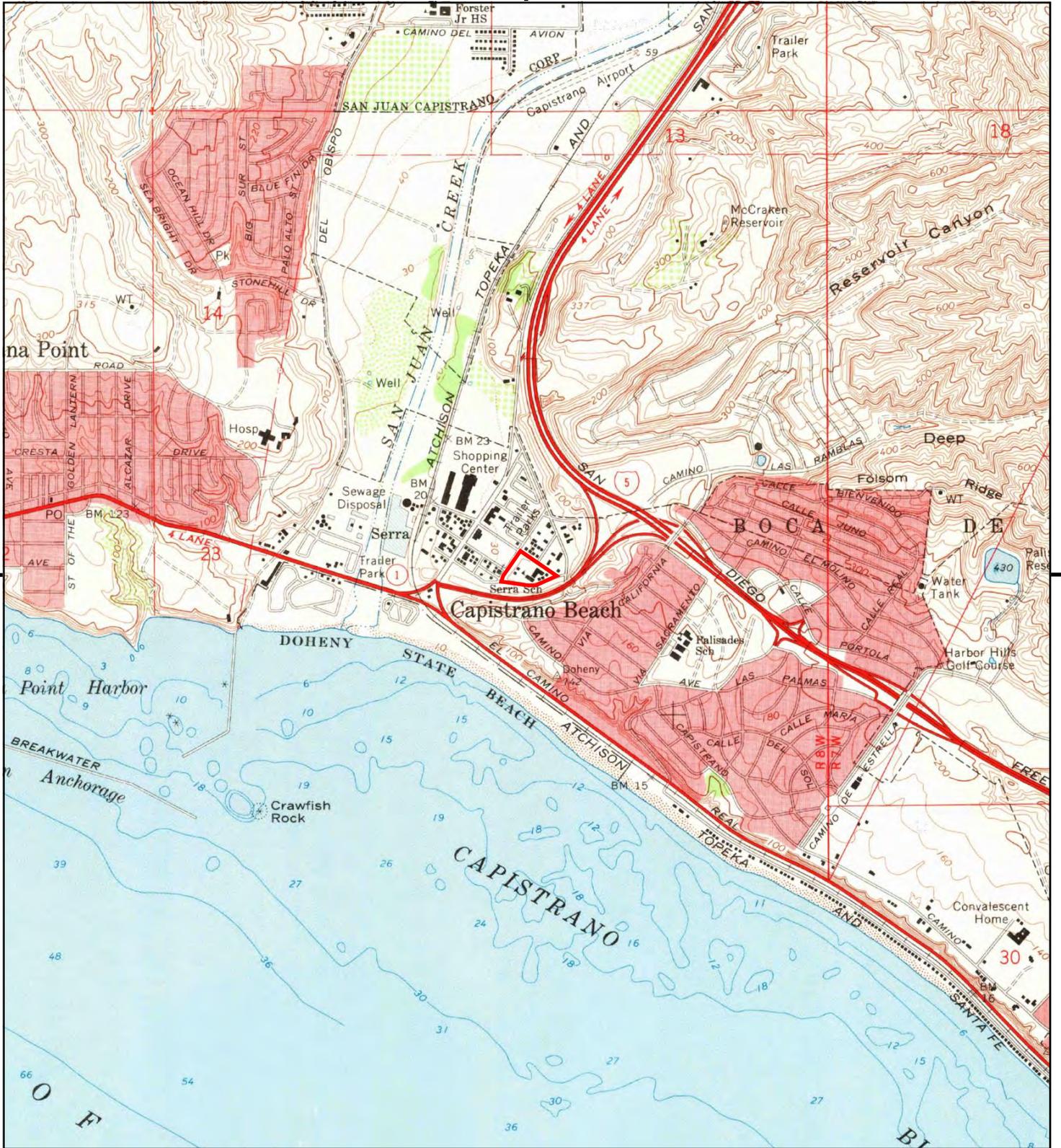
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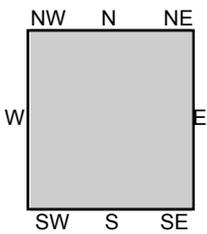
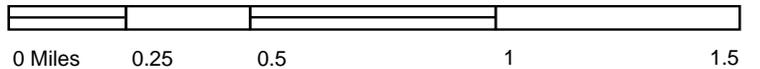
TP, Dana Point, 1975, 7.5-minute

SITE NAME: CUSD South Transportation Yard
ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
CLIENT: Leighton and Associates, Inc.





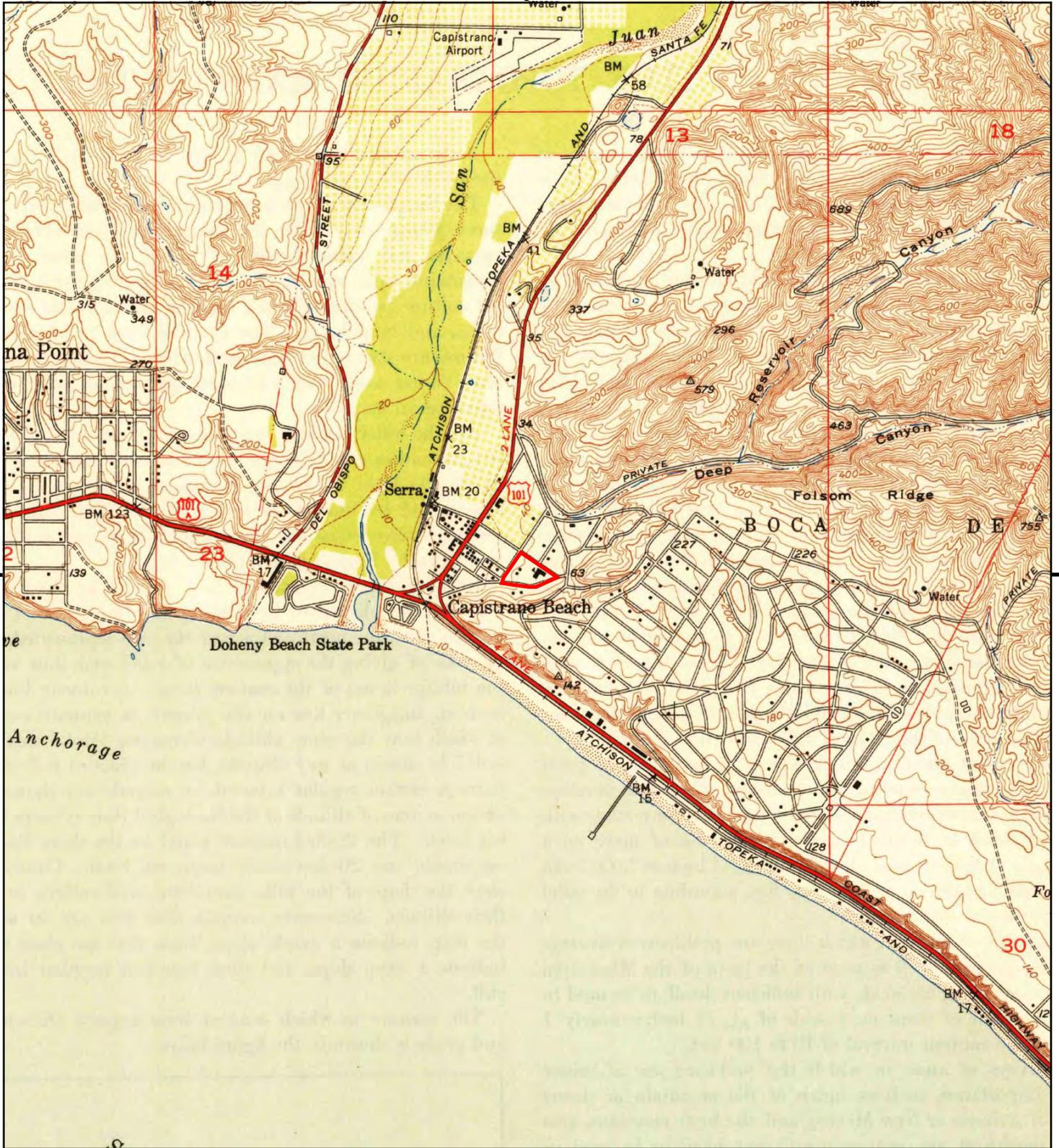
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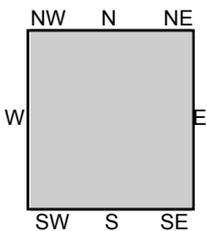
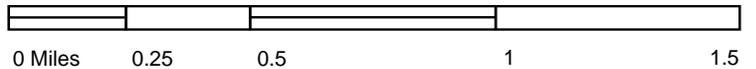
TP, Dana Point, 1968, 7.5-minute

SITE NAME: CUSD South Transportation Yard
 ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
 CLIENT: Leighton and Associates, Inc.





This report includes information from the following map sheet(s).



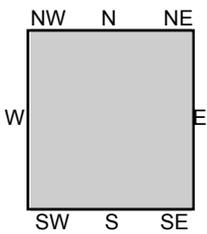
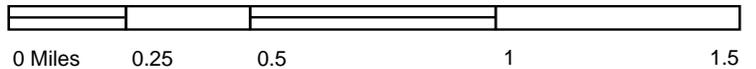
TP, Dana Point, 1949, 7.5-minute

SITE NAME: CUSD South Transportation Yard
ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
CLIENT: Leighton and Associates, Inc.





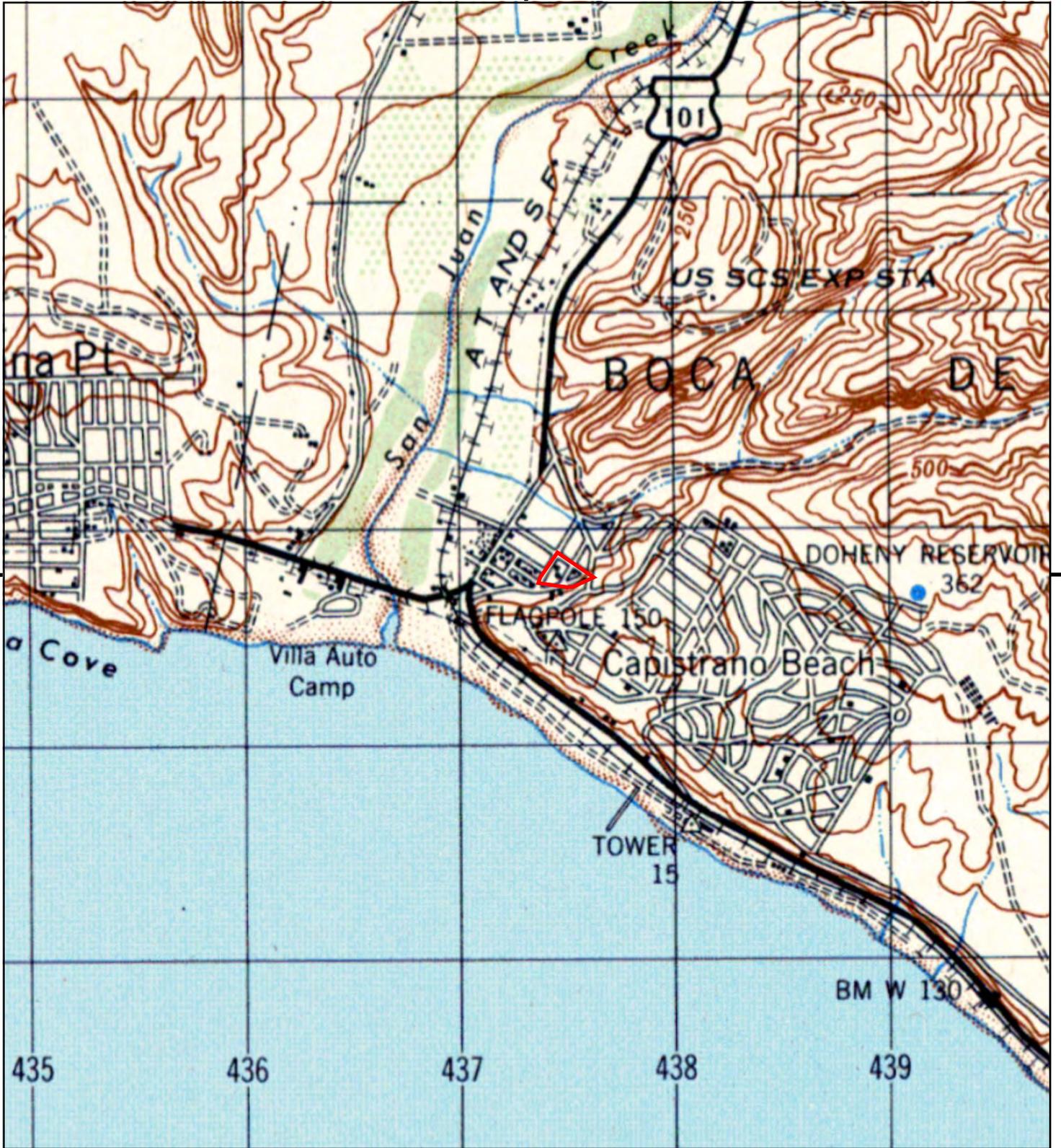
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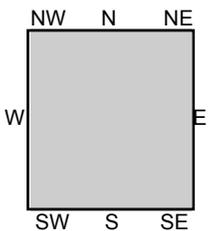
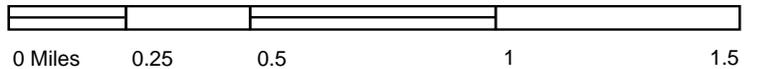
TP, Dana Point, 1948, 7.5-minute

SITE NAME: CUSD South Transportation Yard
ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
CLIENT: Leighton and Associates, Inc.





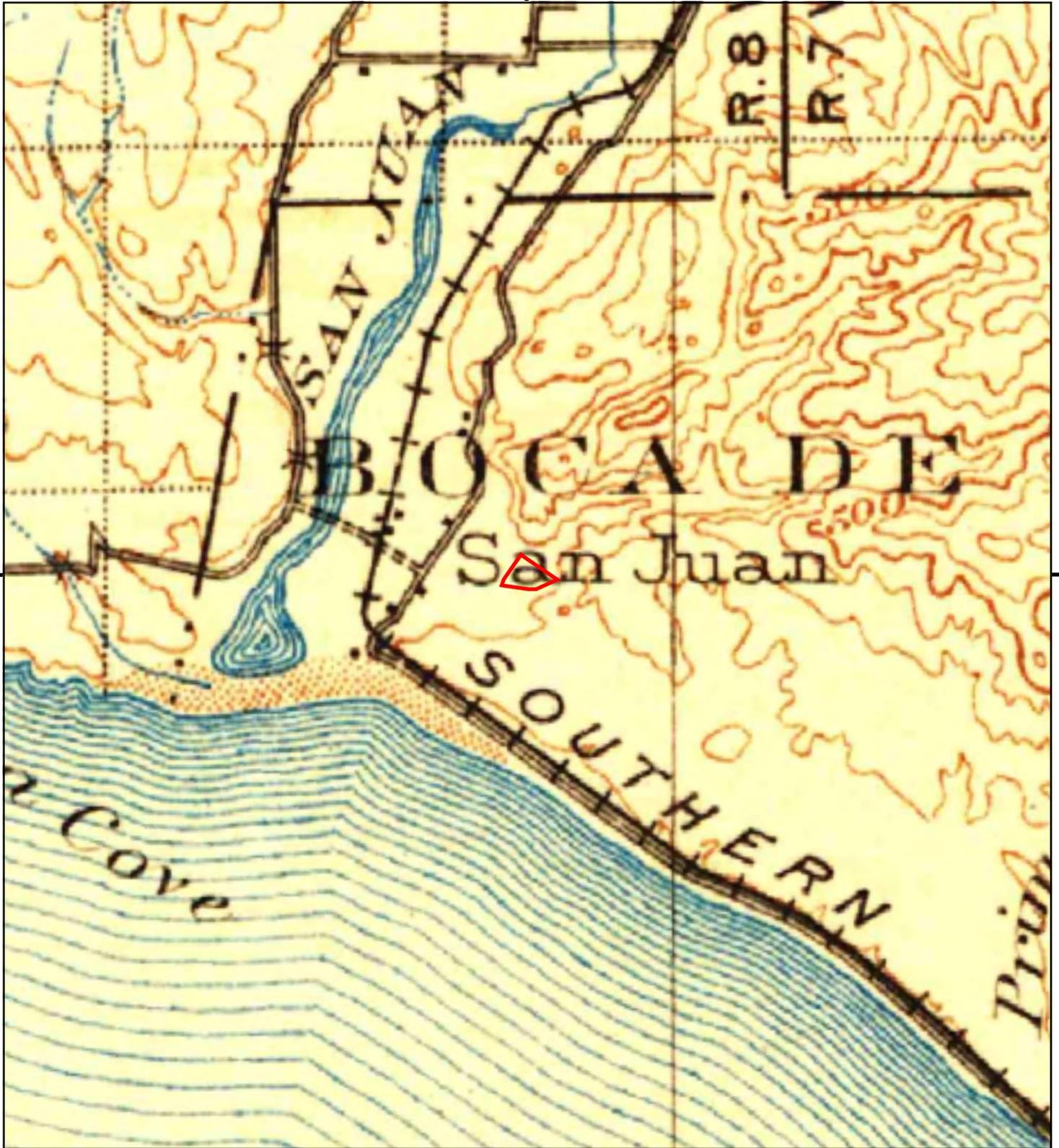
This report includes information from the following map sheet(s).



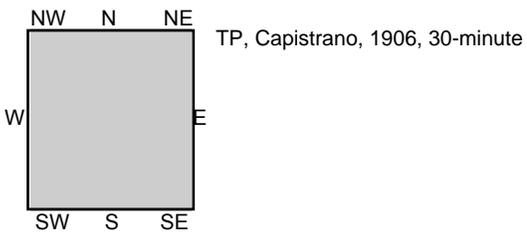
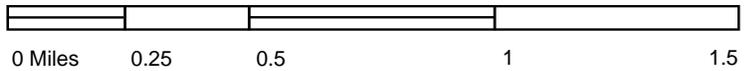
TP, SAN JUAN CAPISTRANO, 1947, 15-minute

SITE NAME: CUSD South Transportation Yard
 ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
 CLIENT: Leighton and Associates, Inc.





This report includes information from the following map sheet(s).

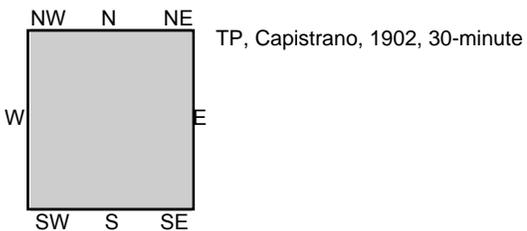
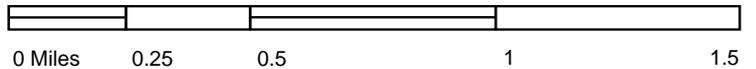


SITE NAME: CUSD South Transportation Yard
 ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
 CLIENT: Leighton and Associates, Inc.





This report includes information from the following map sheet(s).



SITE NAME: CUSD South Transportation Yard
 ADDRESS: 26126 Victoria Boulevard
 Capistrano Beach, CA 92624
 CLIENT: Leighton and Associates, Inc.



APPENDIX I
SANBORN MAP REPORT



Leighton

CUSD South Transportation Yard

26126 Victoria Boulevard

Capistrano Beach, CA 92624

Inquiry Number: 5560241.3

February 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

02/12/19

Site Name:

CUSD South Transportation Yc
26126 Victoria Boulevard
Capistrano Beach, CA 92624
EDR Inquiry # 5560241.3

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614
Contact: Robert Lovdahl



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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 # 889F-41EA-8830
PO # 12289.001
Project Phase I ESA - 26126 Victoria



Sanborn® Library search results

Certification #: 889F-41EA-8830

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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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APPENDIX J
CITY DIRECTORY REPORT



Leighton

CUSD South Transportation Yard

26126 Victoria Boulevard
Capistrano Beach, CA 92624

Inquiry Number: 5560241.5
February 12, 2019

The EDR-City Directory Image Report

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Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

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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Data by

infoUSA[®]

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1985	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1972	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

26126 Victoria Boulevard
Capistrano Beach, CA 92624

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

VICTORIA BLVD

2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1985	pg A7	Haines Criss-Cross Directory
1980	pg A8	Haines Criss-Cross Directory
1980	pg A9	Haines Criss-Cross Directory
1975	pg A10	Haines Criss-Cross Directory
1975	pg A11	Haines Criss-Cross Directory
1972	pg A12	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

VICTORIA BLVD 2014

25701 SPARTAN MARINE CO
25751 DRILCO INC
25752 D M KISLING CONSTRUCTION
DM KISLING CONSTRUCTION
GOODWIN ENTERPRISES INC
25802 BACINSKY DRAFTING
BDRAFTING INC
DANA POINT MARINE & STOR LLC
DICK SIMON MARINE
DOUGLAS LANDSCAPE INC
ORANGE COUNTY OUTBOARDS
PICKERING PROP
25830 CANNAN AND BART INC
25831 PACIFIC COAST MOBILE UPHL
26089 BYERS, JORDAN R
26091 OCCUPANT UNKNOWN,
26099 HAYNES, TERRY N
HENRY, SARA P
26111 KERRY CONTRACTORS
26129 CAPELLINO, MISTI
ELLIS, JAIME
HARPER, THOMAS W
KISH, BRANDI
26135 ANCHETA, MERVIN
DENNIS, PAUL M
26141 MONTES, ESTELA
26153 NOBIS PRESCHOOL

VICTORIA BLVD 2010

25701 SPARTAN MARINE CO
25751 DRILCO INC
25752 D M KISLING CONSTRUCTION
GOODWIN ENTERPRISES INC
25801 MIRA LLC
25802 BACINSKY DRAFTING
BDRAFTING INC
DANA POINT MARINE & STOR LLC
DOUGLAS LANDSCAPE INC
NATIONAL LIQUIDATORS
PACIFIC COAST DISTRIBUTORS LLC
PACIFICO MARINE
25830 CANNAN AND BART INC
PACIFIC FOUNDATION EQUIPMENT
25831 PACIFIC COAST MOBILE UPHL
26091 OCCUPANT UNKNOWN,
STEWART, WINDY S
26099 FAVILA, MARTHA P
SIMPSON, PATRICIA G
TUCKER, STEPHEN
26111 DOHENY FIRE STATION 29
KERRY CONTRACTORS
26129 CRU, MARIA
KATZMARK, THERESA M
26135 SURRATT, SUSAN L
WINTER, ROJAINE K
26141 MATA, VELA M
MONTES, JUAN A
PEDRAZA, LAO
RAMIREZ, JUAN
26153 NOBIS PRESCHOOL

VICTORIA BLVD 2005

25701 SPARTAN MARINE CO
25751 DRILCO INC
25752 KISLING D M CONSTRUCTION INC
25802 DANA POINT MARINE & STORAGE
Patriot Motorcycles
SIMON DICK MARINE LLC
SUN COUNTRY MARINE
25830 C B I SHORING
CANNAN AND BART INC
25831 PACIFIC COAST MOBILE UPHL
26071 HYDROGROWTH HYDROSEEDING
26089 PAYNE, BRANDY L
PERGUSON, SCOTT N
STOCK, JOHN H
26091 BARRY, ELVA
26099 CERNEANT, MICHAEL F
MILLER, DAVID
TARAS, PETER
WONDERFUL WINDOWS
26111 KERRY CONTRACTORS
26129 BEILEY, DEBBIE
BELL, STACIE
MIGUEL, G
PEDRAZA, HONORIO
26135 IREYS, ANDREW
OCCUPANT UNKNOWN,
RETT, KARYN
SURRETT, RODNEY A
WINTER, ROJAINÉ K
26139 BOURNE, CHRIS
26141 AGUILAR, IGNACIO G
PEDRAZA, LAO
26153 NOBIS PRESCHOOL

VICTORIA BLVD 2000

25752 SOUTH COAST WATER DISTRICT
25801 CAPISTRANO MINI-PARTNERS
25802 DICK SIMON MARINE LLC
STINSON, SEAN
25830 BARTS IRON DESIGN INC
CANNAN AND BART INC
25831 PACIFIC COAST MOBILE UPHL
25872 RHINEHART, NELSON
25876 OCCUPANT UNKNOWN,
26059 YOUTH CENTER CALVARY CAPO BCH
26089 STOCK, JOHN
26091 BARRY, ELVA
CEJA, RAFEL
26099 ANDERSON, GEORGE D
MILLER, DAVID
TARAS, PETER
WOLFF, BRAD L
WONDERFUL WINDOWS
26129 CASTREJON, G
DOYLE, KEVIN T
FUENTES, REYNA I
GONZALES, M A
HERNANDEZ, SAUL
QUIJADA, JOSE A
26135 BELAVIC, PATRICK M
CRARY, PETER B
STEVENS, SHANE
26139 BOURNE, CHRIS
GARCIA, E
26153 TREASURE ISLE PRE-SCHOOL INC

VICTORIA BLVD 1995

25801 AMERICAN MINI STORAGE LTD
RACICOT, EARL E SR
25802 JUNIORS TOOLS CAPO BEACH INC
NBRT ENTERPRISES INC
OCCUPANT UNKNOWNN
SERRA BUILDING MATERIALS INC
25830 BARTS IRON DESIGN INC
CANNAN AND BART INC
PACIFIC FOUNDATION EQUIPMENT
25872 LONCONO, TOM
26067 OCCUPANT UNKNOWNN
26089 STOCK, JOHN
26091 GRANADOS, CANDY
26099 ANDERSON, GEORGE
26101 CAPISTRANO BEACH WATER DST
26125 OCCUPANT UNKNOWNN
26129 MCIVOR, JOHN C
26139 GARCIA, E
ROD WORKS
SILVER SHUTTLE INC
26141 ARIAS, E
26153 TREASURE ISLE PRE-SCHOOL INC

VICTORIA BLVD 1992

25752 CAPISTRANO BEACH SANITARY DST
25801 AMERICAN MINI STORAGE LTD
RACICOT, EARL E SR
25802 JUNIORS TOOLS UNLIMITED
NBRT ENTERPRISES INC
SERRA BUILDING MATERIALS INC
SOUTH COAST SCREEN & GLASS
25830 BARTS IRON DESIGN INC
CANNAN-BART INC
CAPISTRANO CRANE COMPANY
25872 LONCONO, TOM
26061 CYS TV SALES & SERVICE
26089 WALTERS, MARY
26101 CAPISTRANO BCH CNTY WTR DSTRCT
26129 MCCORMACK, MARK
SOLEK, JOSEPH
26139 CHRIS MOBILE HOME SERVICE
GARCIA, E
26141 ARIAS, E
26153 TREASURE ISLE PRE-SCHOOL INC

VICTORIA BLVD 1985

VICTORIA BLVD 92624

CAPISTRANO BCH

25752	ADVANCO CONSTRUCTRS	493-9499	4
	CAPSTRNO BCH SNTRY	496-9247	
25802	SERRA GLASS CO	496-2207	+5
	SERRA LUMBER CO	496-1226	0
25830	CANNA BART	496-7545	+5
25872	LONCONO TOM	496-5146	
25882	XXXX	00	
26059	CAPSTRNO UPHOLSTERY	496-2222	
26061	CYS TV SALES&SERV	496-5060	
26067	SORCI ANTHONY J	661-2311	+5
26089	TINGLEY MARK	661-2736	3
26091	ORTEGA ROBT	496-0892	7
26091 1/2	ORTEGA MIKE	496-5805	
26099	MENDOZA MANUAL	240-3489	+5
26101	CAPSTRNO BCH CO WTR	496-5261	
26125	BRASSARD RICHARD	496-8680	4
26126	XXXX	00	
26129	BARNES NANCY L	496-3919	9
	SOLEK JOS	496-3108	
	SOLEK JOS A	496-7771	3
26135	UNDERFIRE RICHARD C	493-7464	0
26139	HILL T T	496-9875	
26141	ARIAS ELIZABETH	496-9104	9
	PARRA Y	496-8874	3
26153	TREASURE ISLE	661-6258	0
★	9 BUS	16 RES	4 NEW

VICTORIA BLVD 1980

VICTORIA BLVD 92624

CAPISTRANO BCH

25752	CAPISTRNO BCH SNTRY	496-9247	
	DANA BOAT CENTER	496-7770+0	
25801	LUDLOW CORP	496-5781	
25802	SERRA LUMBER CO	830-4164	9
	SERRA LUMBER CO	496-1226+0	
25830	UNION OIL CO CALIF	542-0551+0	
25872	LONCONO TOM	496-5146	
25882	DIAZ BALTAZAR	661-8460 +0	
26059	CAPISTRNO UPHOLSTRY	496-2222	
26061	CYS TV SALES&SERV	496-5060	
26067	XXXX	00	
26089	WOODARD MICHAEL	493-8023 +0	
26091	ORTEGA ROBT	496-0892	7
26091 1/2	ORTEGA MIKE	496-5805	
26099	INGRAHAM PATRICIA A	493-5714 +0	
	REYNA GUELLERMO	661-1033 +0	
26101	CAPISTRNO BCH WTR	496-5261	
26126	CAPISTRNO UNIFD SC	496-1504	9
26129.....	APARTMENTS		
	BARNES NANCY L	496-3919	9
	GAUCH TERESA	661-7391	9
	HOOPER JAS E	493-5190 +0	
4	SCHWARTZ ROSE	496-9335	5

VICTORIA BLVD 1980

..VICTORIA BLVD		92624 CONT..
	SOLEK JOS	496-3108
26129	
26135	UNDERFIRE RICHARD C	493-7464 +0
26139	HILL T T	496-9875
26141	ARIAS ELIZABETH	496-9104 9
	MENDOZA RICARDO	661-8908 +0
26153	GONZALES RODRIGO M	493-2705 6
	LATHAM M R	496-5155 6
	TREASURE ISLE CNTR	661-6258 +0
★	11 BUS 19 RES	11 NEW

VICTORIA BLVD 1975

VICTORIA BLVD 92624 CPSTRNO BCH

25752*CPSTRNO BCH SANITRY 496-9247
 25801*LUDLOW CORP 496-5781
 25802*SERRA BLDG MATERIAL 830-4164

VICTORIA BLVD 1975

..VICTORIA BLVD 92624 CONT..
 *SERRA BUILDING MTRL496-1226
 25830*UNION OIL CO SALES 496-5656
 25872 LONCONO TOM 496-5146
 WHEELER BESSIE M 493-0410 4
 25882 XXXX 00
 26059*CAPISTRANO UPHLSTRY496-2222
 *HAROLDS CPSTRN UPHL496-2222+5
 26061*CYS TV SALES&SERV 496-5060
 26067 XXXX 00
 26089 XXXX 00
 26091 PALACIOS ARMANDO 496-9737
 26091¹/₂ ORTEGA MIKE 496-5805
 26099 ORTEGA ALEX 496-2818
 SAMANO VICTOR 496-4748 2
 26101*CAPISTRANO BCH WTR 496-5261
 26125 ARIAS ELIZABETH 496-9104 2
 26126*CAPSTRNO UNIFD SCHL496-7572+5
 *CPSTRNO UNFD SC DST496-1215
 *SERRA ELEMENTARY SC496-1215
 26129...APARTMENTS
 COCHRUN C 496-7210+5
 HENDRICKS JOHN 496-0914+5
 IMMROTH JOSEPHINE 496-4286+5
 SCHWARTZ ROSE 496-9335+5
 SOLEK JOS 496-3108
 26129.....
 26135 XXXX 00
 26139 BOGART GUSTAVO 493-9789 4
 HILL T T 496-9875
 26153 GOMEZ GENEVEVE 496-3018 4
 * 12 BUS 19 RES 6 NEW

VICTORIA BLVD 1972

VICTORIA BLVD 92624 CPSTRNO BCH

25752*CPSTRNO BCH SANITRY 496-9247
 25801*LUDLOW CORP 496-5781
 25802*SERRA BLDG MATERIAL 830-4164
 *SERRA BUILDING MTRL 496-1226
 25830*UNION OIL CO SALES 496-5656
 25872 LONCONO TOM 496-5146
 SULLENBERGER EDITH 496-4493+2
 25882*CONTROL SERVICES CO 493-4604+2
 26059*CAPISTRANO UPHLSTRY 496-2222
 *HAROLDS UPHOLSTERY 496-2222+2
 26061*CYS TV SALES&SERV 496-5060
 26067 SOMMERS LAWRENCE E 496-6218
 26089 HATHAWAY HARRY 496-4916+2
 REVILLA SADIE MRS 496-2771
 26091 PALACIOS ARMANDO 496-9737
 26091¹ ORTEGA MIKE 496-5805
 26099 ORTEGA ALEX 496-2818
 SAMANO VICTOR 496-4748+2
 26101*CAPISTRANO BCH WTR 496-5261
 26125 ARIAS ELIZABETH 496-9104+2
 26126*CPSTRNO UNFD SC DST 496-1215
 *SERRA ELEMENTARY SC 496-1215
 26129 BRADSHAW MICHAEL 496-1003+2
 SOLEK JOS 496-3108
 SOLEK SUSAN 496-3108
 26135 HERL GERALD L 496-9409+2
 26139 CAVAGNARO ART 496-2963+2
 CAVAGNARO ROBIN 496-2963+2
 HILL T T 496-9875
 * 12 BUS 17 RES 10 NEW

APPENDIX K
BUILDING PERMIT AND
PROPERTY TAX MAP REPORTS



Leighton

CUSD South Transportation Yard

26126 Victoria Boulevard
Capistrano Beach, CA 92624

Inquiry Number: 5560241.8
February 12, 2019

EDR Building Permit Report

Target Property and Adjoining Properties

EDR Building Permit Report: Search Documentation

2/12/19

Site Name:

CUSD South
26126 Victoria
Capistrano Beach, CA

Client Name:

Leighton and Associates, Inc.
17781 Cowan
Irvine, CA 92614

EDR Inquiry # 5560241.8

Contact: Robert Lovdahl

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 2/12/19, EDR does not have access to building permits in the city where your target property is located (Capistrano Beach, CA).

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting 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), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



APPENDIX L
GBA GEOENVIRONMENTAL REPORT



Leighton

Important Information about This

Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,

- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental

professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change, sometimes suddenly, due to any number of events, not the least of which include occurrences at adjacent sites.* Recognize, too, that *even some conditions in tested areas may go undiscovered*, because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care. Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for “exculpatory clauses,” that is, provisions whose purpose is to transfer one party’s rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not “boilerplate.”* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in the Geoprofessional Business Association exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your GBA-member geoenvironmental professional for more information.



8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@geoprofessional.org www.geoprofessional.org

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Leighton and Associates, Inc.
A LEIGHTON GROUP COMPANY

TRANSMITTAL

To: Toll Brothers Apartment Living
200 Spectrum Center Drive, Suite 300
Irvine, California 92618

Date: March 13, 2019

Project No. 12289.002

Attention: Mr. John Hyde

Transmitted:	The Following:	For:
<input type="checkbox"/> Mail/Overnight	<input checked="" type="checkbox"/> Draft Report	<input type="checkbox"/> Your Use
<input type="checkbox"/> Courier	<input type="checkbox"/> Final Report	<input checked="" type="checkbox"/> As Requested
<input type="checkbox"/> Pick Up	<input type="checkbox"/> Extra Report	
<input checked="" type="checkbox"/> Email	<input type="checkbox"/> Proposal	
	<input type="checkbox"/> Other	

Subject: Draft Limited Phase II Environmental Site Assessment, Proposed Residential Development, 26126 Victoria Boulevard, Capistrano Beach, California 92624

LEIGHTON AND ASSOCIATES, INC.

By: Robert Lovdahl

Distribution: (1) Addressee

LIMITED PHASE II
ENVIRONMENTAL SITE ASSESSMENT
PROPOSED RESIDENTIAL DEVELOPMENT
26126 VICTORIA BOULEVARD
CAPISTRANO BEACH, CALIFORNIA 92624

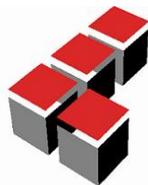
Prepared For:

TOLL BROTHERS APARTMENT LIVING

200 Spectrum Center Drive, Suite 300
Irvine, California 92618

Project No. 12289.002

March 13, 2019



Leighton and Associates, Inc.

A LEIGHTON GROUP COMPANY



Leighton and Associates, Inc.
A LEIGHTON GROUP COMPANY

March 13, 2019

Project No. 12289.002

Toll Brothers Apartment Living
200 Spectrum Center Drive, Suite 300
Irvine, California 92618

Attention: Mr. John Hyde

**Subject: Limited Phase II Environmental Site Assessment
Proposed Residential Development
26126 Victoria Boulevard
Capistrano Beach, California 92624**

INTRODUCTION

Leighton and Associates, Inc., (Leighton) is pleased to present this report summarizing the results of a Limited Phase II Environmental Site Assessment (ESA) conducted at the proposed residential development at the South Transportation Yard located at 26126 Victoria Boulevard, Capistrano Beach, California (Site; Figure 1).

SITE DESCRIPTION, BACKGROUND, AND PROPOSED DEVELOPMENT

The Site is bounded by Sepulveda Avenue to the northwest and Victoria Boulevard to the northeast (Figure 2). The Orange County Assessor's office designated the Site as Assessor Parcel Number (APN) 668-361-01. The Site is comprised of approximately 5.6 acres of land the majority of which has been paved with asphaltic concrete with the exception of cement paved area located in the eastern corner of the Site (Figure 2). Landscaped areas with small trees and grass or tall bushes are present along the sidewalk at the western margin and within part of the eastern margin of the property. The Site is currently owned and operated by the Capistrano Unified School District (CUSD or District) as a bus and vehicle maintenance yard and materials storage yard.

Leighton previously completed a Phase I ESA, submitted under separate cover, which identified four recognized environmental conditions (RECs) and one historical REC (HREC) for the Site. The RECs and HREC are listed below along with the sampling response taken as part of the Limited Phase II ESA to address these concerns:

- REC 1 - The historical automotive maintenance activities and remaining in-ground hydraulic lifts located inside the former Mechanic Shop represent a source of potential contamination by petroleum products and solvents associated with historical activities (Figure 3). Impacted soil and/or soil gas in the vicinity of historical maintenance activities presents a potential environmental concern for future site occupants.
 - In response to REC 1, Leighton advanced soil borings LB5 and LB6 to assess potential impacted soil and soil gas in the vicinity of automotive maintenance activities. Soil samples from these borings were analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and polychlorinated biphenyls (one sample per location). Soil gas at these locations was analyzed for VOCs.
- REC 2 - A 10,000-gallon gasoline UST and 20,000-gallon diesel underground storage tank (UST) are located in the northeast corner of the Site (Figure 3). Fuel leaks from the USTs, associated piping, or the fuel dispensers could impact the subsurface below the subject site. These features are therefore considered a potential environmental concern.
 - In response to REC 2, Leighton advanced soil borings LB1, LB2, and LB3 to assess potential impacted soil and soil gas in the vicinity of the current fuel USTs, piping, and dispensers. Soil samples from these borings were analyzed for TPH, VOCs, and lead (one sample per location). Soil gas at these locations was analyzed for VOCs.
- REC 3 - The floor drain and in-ground clarifier associated with the bus wash area is considered a potential concern if leaks in clarifier stages or connection piping have impacted soil at the subject site (Figure 3).
 - In response to REC 3, Leighton advanced soil boring LB7 to assess potential impacted soil and soil gas in the vicinity of the bus wash clarifier. Soil samples from this boring were analyzed for TPH and VOCs. Soil gas at this location was analyzed for VOCs.

- REC 4 - Shallow soil in the vicinity of current and historical structures constructed prior to 1979 at the subject site may be impacted by lead from lead-based paint potentially applied to onsite buildings. Similarly, wooden buildings constructed prior to 1989 may have been treated with termiticides containing organochlorine pesticides. Based on the review of historical topographic maps and aerial photographs, four historical buildings and two current buildings (Grounds Dispatch Building and the Transportation Office/Former School Building) were built prior to 1979 (Figure 2).
 - In response to REC 4, Leighton advanced soil borings LB8, LB9, LB11, and L12, and LB13 to assess potential impacted soil adjacent to current and historical structures that were constructed prior to 1979. Soil samples from these borings were analyzed for Title 22 metals (including lead), organochlorine pesticides (OCPs), and asbestos.
- HREC 1 - Four historical USTs were identified at the subject site including a 550-gallon waste oil tank (removed in 1989), a 550-gallon gasoline tank (removed in 1989), 10,000-gallon gasoline tank (removed in 1998) and a 5,000-gallon diesel tank (removed in 1998). A leak was confirmed in the 550-gallon gasoline tank and resulted in an environmental cleanup that ended on July 26, 2000. Although all remedial activities and sampling requirements were met according to the overseeing agency, the Orange County Health Care Agency (OCHCA), a soil gas survey was not completed to evaluate potential risk associated with indoor vapor intrusion.
 - In response to HREC 1, Leighton advanced soil boring LB3 and LB4 to assess potential impacted soil and soil gas in the vicinity of the former USTs. Soil samples from this boring were analyzed for TPH, VOCs, and lead (one sample per boring). Soil gas at this location was analyzed for VOCs. In addition, a groundwater sample was collected from monitoring well MW1, which was installed adjacent to the 550-gallon gasoline tank as part of the environmental cleanup case at the Site.

The Conceptual Site Plan for the Victoria Blvd. Apartments (by Project Dimensions, Inc.) provided to us by Toll Brothers Apartment Living (Toll Bros.) offers a general understanding of the proposed apartment community layout. The Conceptual Site Plan details that the proposed apartment community will consist of 423 apartment units (studio, 1-bedroom, and 2-bedroom models) constructed in a five-story wrap design and an onsite 6.5-level parking structure (Appendix B).

OBJECTIVE

The objective of this Limited Phase II ESA is to collect analytical information pertaining to soil, soil gas, and groundwater and determine what, if any, environmental impacts are present in the shallow soil and groundwater from previous activities which could impact future development or future occupants at the Site. Environmental sampling locations were selected to target areas identified in the recently completed Phase I ESA (Leighton, 2019) as RECs or HRECs and provide adequate Site coverage in areas of proposed future dwellings (apartment units) as presented in the Conceptual Site Plan (Appendix B).

SUMMARY OF WORK CONDUCTED

Boring Location Mark Out and Utility Clearance

Underground Service Alert of Southern California (USA; aka DigAlert) was contacted more than 48-hours prior to commencement of fieldwork to mark the location of public utilities that may enter the Site from nearby streets. The proposed boring locations were clearly marked in white paint prior to contacting USA. Spectrum Geophysics, a State-licensed utility locator based in Costa Mesa, California, conducted a geophysical utility survey of the proposed soil boring locations on February 26, 2019, to evaluate for the presence of subsurface utilities or structures near the proposed boring locations.

The purpose of the private geophysical survey was to screen for the possible presence of detectable buried underground utilities or anomalies in the vicinity of proposed borings at the Site. The findings of the survey were marked on the ground surface with spray paint. Boring locations that conflicted with underground utilities were relocated as close as possible to the original proposed location while maintaining a safe clearance from the potential conflict.

Health and Safety Plan

A Site Specific Health and Safety Plan (HSP) was prepared for work performed at the Site. All onsite Leighton personnel signed the HSP acknowledging acceptance. The document was kept onsite at all times during the field activities. The HSP was prepared in general compliance with the Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1910.120.

Permitting

Prior to the start of field activities, a soil boring permit was obtained from the Orange County Health Care Agency (OCHCA) in accordance with their guidelines. Copies of the required permits are included in Appendix C.

Soil Sampling

On February 27, 2019 Leighton was onsite to observe and direct field activities including the advancement of fifteen (15) soil borings utilizing a direct push drill rig. The borings were completed by Millennium Environmental, Inc., a State of California-licensed drilling contractor.

The soil borings were logged and described under direct supervision of a licensed California Professional Geologist (PG). Soil descriptions were documented utilizing the Unified Soil Classification System including name, color, density, moisture content, grain size, and if staining or hydrocarbon odors were detected. Soil samples were collected select soil borings at varying depth intervals (depending on the environmental concern specific to the sampling location) including 1 foot, 3 feet, 5 feet, 10 feet, 15 feet, and 20 feet for laboratory analysis. Soil samples were retained in 6-inch acetate sleeves, capped with Teflon® coated paper and plastic end caps, or 8-ounce laboratory-supplied glass jars. Sample containers were clearly marked with sample identification, placed in an ice-cooled chest for temporary storage, and transported to Advanced Technology Laboratories (ATL) in Signal Hill for chemical analysis. Chain-of-custody protocol was followed throughout all phases of the sample handling process. Boring logs detailing the drilling and sampling activities are included in Appendix D.

Each soil sample was field screened using a photoionization detector (PID) to evaluate the soil sample for the presence of volatile organic compounds (VOCs). PID readings were obtained by placing an aliquot of soil, collected adjacent from the portion retained for chemical analysis, into a clean plastic bag, and placing it in the sun or a warm area for 5 to 10 minutes. The reading was then collected from the headspace of the plastic bag by inserting the tip of the PID into the plastic bag and allowing the reading to stabilize.

Down-hole sampling and drilling equipment was decontaminated between boreholes by washing in a solution of non-phosphate detergent and water, rinsing with potable water, final rinsing with distilled water, and allowed to air-dry. Borings were backfilled with hydrated bentonite and capped to match the existing ground surface.

Groundwater Sampling

A groundwater monitoring well was identified at the Site south of the former Tire Storage Building. Based on historical records that were reviewed as part of the Phase I ESA completed for the Site, the monitoring well appears to be MW1, a groundwater monitoring well installed at the Site following remedial activities to address a former 550-gallon gasoline underground storage tank (UST) that had leaked (The Reynolds Group, 1998; The Reynolds Group, 2000). On February 26, 2019, Leighton submitted a written request to CUSD, the well owner, to access and collect a groundwater sample from MW1. CUSD responded in an email on February 26, 2019 and approved the request to access and collect a groundwater sample from MW1.

On February 27, 2019, Leighton field staff measured the depth to groundwater in MW1 as 22.53 feet below top of the well casing using a water level meter. The 2-inch polyvinyl chloride (PVC) monitoring well was purged of at least three well volumes of groundwater prior to the collection of groundwater samples. Groundwater parameters, including pH, electrical conductivity, turbidity, and temperature were measured during the purging process and recorded on groundwater sampling log (Appendix E). A total of 15 gallons of groundwater were generated during purging activities.

Two hours following the completion of purging procedures, the groundwater level in MW1 had not recharged to 80% of static water height and a groundwater sample was collected using a dedicated, disposable, polyethylene bailer. The groundwater sample was retained in a laboratory-supplied one-liter amber bottle and six 40-milliliter vials containing appropriate preservative, properly labeled, and placed in an ice-cooled chest pending delivery under chain-of-custody protocol to ATL in Signal Hill, California for chemical analysis.

Soil borings LB1 and LB10 were advanced to 33 and 25 feet below ground surface (bgs), respectively, in an attempt to encounter groundwater below the Site and collect a grab groundwater sample utilizing a Hydropunch® sampling device. Saturated soils were not encountered based on soil observations during drilling and groundwater grab samples were not collected from these locations. It is possible that the fine-grained soils encountered at the Site are responsible for the low groundwater recharge rate observed in MW1 and the absence of available groundwater for sampling purposes in soil borings LB1 and LB10.

Soil Gas Survey

A soil gas survey was performed to evaluate site conditions for the presence of VOCs in soil gas at the Site. The soil gas survey was performed in general accordance with the California Environmental Protection Agency - Department of Toxic Substances Control (DTSC) and California Regional Water Quality Control Board – Los Angeles and San Francisco Region's (LARWQCB and SFRWQCB) Advisory – Active Soil Gas Investigations 2015.

Soil gas samples were obtained from soil gas probes located in 11 of the soil borings completed at the Site (LB1 through LB7, LB10 through LB12, LB14, and LB15). Soil gas probes were placed at 5 feet bgs in each location with additional deeper soil gas probes (dual-nested construction) placed in sampling locations LB1, LB3, and LB10 at 11.5, 11.5, and 10 feet bgs, respectively. The soil gas probes consist of inert ¼-inch nylaflow tubing fitted with a 1-inch, porous, polyethylene implant at the terminus, which was set within one foot of No. 3 Monterey sand. One foot of dry bentonite was placed directly above the sand and hydrated bentonite was extended to the surface. The surface end of the probe was fitted with a gas-tight luerlock to prevent infiltration of water or air. Soil gas probes were allowed to equilibrate for a minimum of 48 hours prior to sampling.

The soil gas survey was conducted on March 1, 2019 by Jones Environmental under direct supervision by Leighton staff. A shut-in test was conducted along the sampling train setup at each sample location, prior to purging each probe. At each sampling location an electric vacuum pump (set to draw 0.200 liters/min of soil gas at a maximum vacuum of 100-inch of water) was attached to the probe and purged prior to sample collection. A default 3 purge volumes was removed from the soil gas probes prior to sampling. Soil gas samples were obtained by drawing the sample through a luerlock connection which connects the sampling probe to the sample container, a glass syringe. A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system in order to determine whether the system was air-tight. The presence of the tracer gas in the sample would be interpreted to mean that the seal was not air-tight and the sample would be deemed to be compromised and another sample would be required.

Soil gas samples collected in a glass syringe and immediately analyzed by an onsite mobile laboratory operated by a Jones Environmental chemist. The samples were analyzed within appropriate hold time determined by the analytical method.

At the completion of the soil gas survey, the soil gas probes were removed by pulling the tubing out of the ground and capping the surface with approximately 4 inches of asphalt cold patch, where applicable, to match the surrounding surface.

Laboratory Analyses

The soil and groundwater samples collected were submitted to ATL, a State of California ELAP-certified laboratory, for analysis. The analytical methods for the purposes of this site assessment included:

- TPH by Environmental Protection Agency (EPA) Method 8015B subdivided into gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO)
 - Twenty-two soil samples and one groundwater sample were analyzed for TPH
- VOCs by EPA Method 8260B
 - Twenty-two soil samples, 15 soil gas samples, and one groundwater sample were analyzed for VOCs.
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082
 - Two soil samples collected near the hydraulic lifts in the Mechanic Shop were analyzed for PCBs.
- OCPs by EPA Method 8081
 - Ten soil samples collected at 1 and 3 feet below grade were analyzed for OCPs
- Asbestos by EPA Method 600/M4-82-020, updated method 600-R93/116
 - Eight soil samples collected at 1 and 3 feet below grade were analyzed for OCPs
- Title 22 Metals by EPA Method 6010B/7471A
 - All 18 soil samples and three groundwater samples were analyzed for Title 22 Metals

The laboratory reports are included in Appendix F.

Investigation Derived Waste (IDW)

Excess soil cuttings and purged groundwater were placed in 55-gallon drums (total of two drums), stored onsite, and profiled for appropriate disposal. A composite soil sample, Drum-1, was collected for waste characterization purposes from the drum containing soil cuttings and analyzed for TPH, VOCs, and Title 22 Metals. The analytical results for the composite soil sample are included in Appendix F. The drums will be disposed of to an appropriate facility under manifest as non-hazardous waste.

ENVIRONMENTAL INVESTIGATION RESULTS

Soil Sample Analytical Results

Analytical results for soil, soil gas, and groundwater samples have been tabulated in Table 1 through Table 5 and are discussed briefly below. The analytical results were compared to conservative screening levels, including the Environmental Protection Agency (EPA) Regional Screening Levels (RSL) (EPA, 2018), the Department of Toxic Substances Control modified Screening Levels (DTSC-SL) (DTSC, 2018), and/or the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs). The RSLs, DTSC-SLs, and ESLs are conservative health-based screening levels considered to be protective of human health. Concentrations exceeding these screening levels may warrant further investigation or evaluation to better understand if chemical concentrations pose a risk to future occupants at the Site. Groundwater analytical results were also compared to California Maximum Contaminant Levels (MCLs) for regulated chemicals in drinking water. The laboratory analytical reports are included in Appendix F.

TPH Results in Soil

Where detected, TPH concentrations in soil were below regulatory screening levels with the exception of the 1-foot soil sample at sample location LB11 (Table 1). The maximum concentrations for the hydrocarbon ranges are summarized below.

- GRO was detected in one soil samples with a concentration of 1.4 milligrams per kilogram (mg/kg) at sample location LB11 at 1 foot bgs.
- DRO was detected in three soil samples with a maximum concentration of 440 mg/kg at sample location LB11 at 1 foot bgs. The 440 mg/kg DRO concentration detected in the 1-foot soil sample at sample location LB11 exceeds the ESL for DRO of 260 mg/kg.

- ORO was detected in three soil samples with a maximum concentration of 1,400 mg/kg at sample location LB4 at 5 feet bgs.

VOC Results in Soil

Concentrations of VOCs in soil were below regulatory screening levels. (Table 1). The maximum concentrations for individual detected compounds are summarized below.

- 1,2,4-Trimethylbenzene was detected in two soil samples with a maximum concentration of 15 micrograms per kilogram ($\mu\text{g}/\text{kg}$) at sample location LB11 at 3 feet bgs.
- 1,3,5-Trimethylbenzene was detected in two soil samples with a maximum concentration of 110 $\mu\text{g}/\text{kg}$ at sample location LB11 at 1 foot bgs.
- 4-Isopropyltoluene was detected in one soil sample with a concentration of 13 $\mu\text{g}/\text{kg}$ at sample location LB11 at 1 foot bgs.
- m,p-Xylene was detected in one soil sample with a concentration of 180 $\mu\text{g}/\text{kg}$ at sample location LB11 at 1 foot bgs.
- Naphthalene was detected in one soil sample with a concentration of 26 $\mu\text{g}/\text{kg}$ at sample location LB11 at 1 foot bgs.
- n-Butylbenzene was detected in one soil sample with a concentration of 8.3 $\mu\text{g}/\text{kg}$ at sample location LB11 at 1 foot bgs.

PCB Results in Soil

PCBs were not detected above laboratory method detection levels in the two soil samples analyzed as part of this assessment (Table 1).

OCP Results in Soil

OCPs were not detected above regulatory screening levels. The maximum concentrations for individual detected compounds are summarized below.

- 4,4'-DDD (Dichlorodiphenyldichloroethane) was detected in one soil sample at 11 $\mu\text{g}/\text{kg}$ at sample location LB13 at 1 foot bgs.
- 4,4'-DDE (Dichlorodiphenyldichloroethylene) was detected in two soil samples with a maximum concentration of 15 $\mu\text{g}/\text{kg}$ at sample location LB13 at 1 foot bgs.

- 4,4'-DDT (Dichlorodiphenyldichloroethane) was detected in one soil sample with a concentration of 15 ug/kg at sample location LB11 at 1 foot bgs.
- alpha-Chlordane was detected in one soil sample with a concentration of 12 ug/kg at sample location LB9 at 3 feet bgs.
- gamma Chlordane was detected in one soil sample at 16 ug/kg at sample location LB9 at 3 feet bgs.

Asbestos Results in Soil

Soil sample screened for asbestos as part of this assessment did not contain detectable amounts of asbestos above the method detection limit (Table 4).

Title 22 Metals Results

Metals were either not detected in the soil samples collected or detected at or below naturally occurring background levels (Table 5). There were no reported detections above regulatory screening levels or waste criteria that would classify soil as hazardous waste for disposal purposes.

Soil Gas Sample Analytical Results

Soil gas results are compared to conservative health-based screening levels, including the EPA RSLs (EPA, 2018) and the DTSC-SLs (DTSC, 2018) for residential property. The laboratory report is included in Appendix F and the results are summarized in Table 3. Two chemicals, tetrachloroethene (PCE) and naphthalene, were detected in the soil gas samples above RSLs and DTSC-SLs for residential property. A summary of the 18 detected compounds in soil gas are summarized below.

VOC Results in Soil Gas

- 1,1,1-Trichloroethane was detected in one soil gas sample at 9 micrograms per meter cubed ($\mu\text{g}/\text{m}^3$) at sample location LB5 at 5 feet bgs.
- 1,1-Dichloropropene was detected in one soil gas sample at 6,000 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- 1,2,4-Trimethylbenzene was detected in 10 soil gas samples with a maximum concentration of 37,400 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.

- 1,3,5-Trimethylbenzene was detected in six soil gas samples with a maximum concentration of 27,300 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- 4-Isopropyltoluene was detected in one soil gas sample at 758 $\mu\text{g}/\text{m}^3$ at sample location LB5 at 5 feet bgs.
- Benzene was detected in two soil gas samples with a maximum concentration of 31 $\mu\text{g}/\text{m}^3$ at sample location LB10 at 10 feet bgs.
- Ethylbenzene was detected in eight soil gas samples with a maximum concentration of 76 $\mu\text{g}/\text{m}^3$ at sample location LB10 at both 5 and 10 feet bgs.
- Freon 12 was detected in one soil gas sample at 9 $\mu\text{g}/\text{m}^3$ at sample location LB7 at 5 feet bgs.
- Isopropylbenzene was detected in one soil gas sample at 116 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- m,p-Xylene was detected in 10 soil gas samples with a maximum concentration of 2,800 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- Naphthalene was detected in one soil gas sample at a concentration of 1,010 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs. This concentration exceeds the DTSC-SL for naphthalene of 83 $\mu\text{g}/\text{m}^3$.
- n-Butylbenzene was detected in two soil gas samples with a maximum concentration of 3,240 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- n-Propylbenzene was detected in two soil gas samples with a maximum concentration of 234 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- o-Xylene was detected in nine soil gas samples with a maximum concentration of 104 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- sec-Butylbenzene was detected in one soil gas sample at a concentration of 528 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- tert-Butylbenzene was detected in one soil gas sample at a concentration of 31 $\mu\text{g}/\text{m}^3$ at sample location LB11 at 5 feet bgs.
- Tetrachloroethene (PCE) was detected in five soil gas samples with a maximum concentration of 948 $\mu\text{g}/\text{m}^3$ at sample location LB4 at 5 feet bgs. PCE concentrations in soil gas at 5 feet bgs in sample locations LB4, LB5, and LB6 all exceeded the DTSC-SL for PCE of 460 $\mu\text{g}/\text{m}^3$.

- Toluene was detected in 12 soil gas samples with a maximum concentration of 347 $\mu\text{g}/\text{m}^3$ at sample location LB10 at 10 feet bgs.

Groundwater Sample Analytical Results

The groundwater analytical results for the groundwater sample collected from groundwater monitoring well MW1 are summarized below and are compared to RWQCB ESLs and California maximum contaminant levels (MCLs) for drinking water standards, where applicable, in Table 2. The laboratory analytical report is included in Appendix F.

TPH Results in Groundwater Sample MW1

Concentrations GRO, DRO, and ORO were not detected above laboratory method detection limits for groundwater sample MW1.

VOC Results in Groundwater Sample MW1

One compound, 1,2-dichloroethane, was detected in groundwater sample MW1. The detected concentration of 12 micrograms per liter ($\mu\text{g}/\text{L}$) exceeds the MCL for 1,2-dichloroethane of 0.5 $\mu\text{g}/\text{L}$. All other VOCs were not detected above laboratory method detection limits in groundwater sample MW1.

CONCLUSIONS

Shallow soil samples collected at the Site contained detectable concentrations of GRO, DRO, ORO, VOCs, OCPs, and metals below regulatory screening levels with the exception of one soil sample. The soil sample collected at sample location LB11 at 1 foot bgs contained a DRO concentration above the RWQCB ESL. Soil was noted to have an odor and was reported to contain 1,042 parts per million (ppm) of total volatiles when screened with the field PID (see boring logs in Appendix D). The sample collected from LB11 at 3 feet did not contain a DRO concentration above the laboratory method detection limit, which suggests a limited surface spill has affected soil in the upper two feet at this location just outside the Grounds Dispatch Building. Based on the relatively high PID concentration observed during soil sampling, a soil gas probe was installed at 5 feet bgs at this location (soil gas results discussed below). Concentrations of the detected chemicals in soil, with the exception of sample location LB11 at 1 foot bgs, were below residential regulatory screening levels and do not pose a significant risk to human health with respect to the proposed residential development.

Leighton advanced five soil borings at the Site in response to REC 4 (potential shallow soil contamination due to the use of lead-based paint and termiticides in building constructed prior to 1979) identified in the Phase I ESA (Leighton, 2019). Title 22 metals, OCP, and asbestos concentrations were below regulatory screening levels in soil samples collected adjacent to current and former buildings as part of this assessment and do not appear to pose a significant risk to future Site occupants.

A total of 18 individual chemicals were identified in soil gas samples collected at the Site. With the exception of two chemicals, naphthalene and PCE, concentrations of these chemicals were below residential regulatory screening levels and do not pose a significant risk to human health with respect to the proposed residential development. The naphthalene concentration of $1,010 \mu\text{g}/\text{m}^3$, reported for the 5-foot soil gas sample collected at LB11, exceeds the DTSC-SL of $83 \mu\text{g}/\text{m}^3$. The elevated soil gas concentrations identified at LB11 are most likely due to the visually impacted soil identified in the two feet of soil below asphalt pavement from a limited chemical release adjacent to the Grounds Dispatch Building.

PCE concentrations in soil gas at 5 feet bgs exceeded the DTSC-SL of $460 \mu\text{g}/\text{m}^3$ at three locations, LB4 ($948 \mu\text{g}/\text{m}^3$), LB5 ($821 \mu\text{g}/\text{m}^3$), and LB6 ($871 \mu\text{g}/\text{m}^3$). These locations are all within or adjacent to the Mechanic Shop and suggest that solvents were used during vehicle maintenance operations and have impacted shallow soil gas below the Site. The extent of PCE in soil gas above screening levels appears to be relatively well defined and centered on the Mechanic Shop and former 10,000-gallon gasoline UST location (Figure 4).

Based on the groundwater sample collected from monitoring well MW1, groundwater at the Site does not contain GRO, DRO, or ORO above laboratory detection methods. A relatively low concentration of 1,2-dichloroethane was reported in the groundwater sample which exceeds the associated drinking water MCL. 1,2-dichloroethane was not identified in soil gas samples in the vicinity of MW1 and suggests that this dissolved concentration in groundwater is not impacting soil gas below the Site. Given that groundwater at the Site will not be used for drinking water purposes, a significant human-health risk is not anticipated based on the concentration of 1,2-dichloroethane in groundwater.

RECOMMENDATIONS

The impacted soil identified near the Grounds Dispatch Building at sample location LB11 likely represents a limited surface release. Leighton recommends that visually

impacted soil in this area be removed to approximately 3 feet bgs with confirmation soil samples collected from excavation walls and floor prior to site redevelopment. A Soil Management Plan (SMP) should be prepared which will include procedures for the soil handling and appropriate offsite disposal of impacted soil waste. Removing the contaminant source in soil should reduce the concentrations of VOCs in soil gas at this location to mitigate risk of naphthalene indoor vapor intrusion for future residents. Future grading operations at the Site are likely to further reduce any remnant soil gas concentrations in the upper five feet in the vicinity of the Grounds Dispatch Building.

PCE has been identified in soil gas at the Site above regulatory health screening levels in the vicinity of the Mechanic Shop and warrants additional investigation or mitigation (Figure 4). Numerous features remain at the Site which should be removed prior to site redevelopment including the two fuel USTs, underground fuel/vapor piping, dispenser islands, the hydraulic lifts and hydraulic fluid reservoir/piping, and the bus wash clarifier. Impacted soil identified during the removal of these features should be removed and handled according to the SMP and confirmation samples collected within the excavated areas to confirm remaining soil is not impacted above regulatory screening levels. Removal of former features and any identified impacted soil adjacent to these features will constitute contaminant source removal and reduce associated chemical chemicals in soil gas. Future grading operations at the Site are likely to further reduce any remnant soil gas concentrations in the upper five feet in the vicinity of the former Mechanic Shop.

According to regulatory databases, there are currently no active environmental cases associated with the Site. If active groundwater monitoring is not being conducted at the Site as part of an environmental assessment or cleanup, groundwater monitoring well MW1 represents a potential vertical pathway for future groundwater contamination. A monitoring well deconstruction permit should be obtained from OCHCA and MW1 should be properly sealed and abandoned.

Leighton recommends an additional soil gas survey be conducted in the vicinity of the Grounds Maintenance Building and Mechanic Shop following former building demolition and Site grading operations to confirm that soil gas below the Site does not indicate a significant risk to future occupants by way of vapor intrusion.

Although shallow soil did not indicate concentrations of OCPs, metals, or asbestos above regulatory screening levels, onsite structures may still contain asbestos-containing building materials (ACBMs), lead-based paint, and/or universal waste. It is

recommended that a survey for these items be conducted prior to demolition and that identified materials be mitigated appropriately.

In general, observations should be made during future development for possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, tanks, and stained or odorous soils. Should such materials be encountered, further investigation and analysis may be necessary at that time.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. Opinions, conclusions, and recommendations contained in this report apply to conditions existing when the services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. Where subsurface exploratory work, monitoring, and/or testing was performed, our professional opinions and conclusions are based in part on interpretation of data from discrete sampling or measurement locations that may not represent actual conditions at un-sampled or un-measured locations. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of the services. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when the services were performed. We do not warranty the accuracy of information supplied by others, or the use of segregated portions of this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Leighton should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

Leighton's professional opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analyses data. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between and beyond the sampling

locations. Variations in soil conditions likely exist beyond the points explored in this evaluation.

The soil and groundwater sampling conducted as part of this Limited Phase II ESA may not be sufficient for waste profiling and disposal of any excavated soil or purged groundwater generated during site development activities. Soil or groundwater removed from the Site during development activities should be transported to an appropriate facility for reuse or disposal. Soil and/or groundwater testing will be required based on the specific receiving facility requirements.

DRAFT DOCUMENT

CONCLUDING REMARKS

We appreciate the opportunity to serve Toll Brothers Apartment Living. Please do not hesitate to call the undersigned at (949) 681-4282, if you have any questions regarding the findings of this report.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

Robert Lovdahl, PG 9239
Project Geologist

RAL/KAB/lr

Attachments: Figure 1 – Site Location Map

Figure 2 – Site Plan

Figure 3 – Fueling Area and Mechanic Shop

Figure 4 – PCE Concentrations in Soil Gas at 5 Feet bgs

Table 1 – TPH, VOC, and PCB Results for Soil Samples

Table 2 – TPH and VOC Results for Groundwater Sample MW1

Table 3 – VOC Results for Soil Gas Samples

Table 4 – OCP and Asbestos Results for Soil Samples

Table 5 – Title 22 Metals Results for Soil Samples

Appendix A – References

Appendix B – Conceptual Site Plan

Appendix C – OCHCA Permit

Appendix D – Boring Logs

Appendix E – Groundwater Sampling Log

Appendix F – Laboratory Analytical Results

Distribution: (1) Addressee

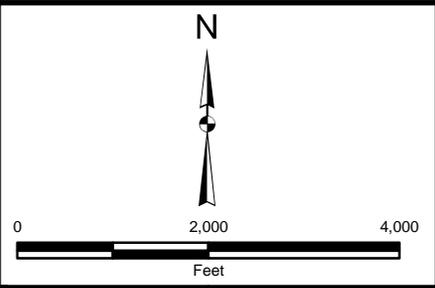
FIGURES



Leighton



Approximate Site Boundary



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Project: 12289.002	Eng/Geol: RL
Scale: 1" = 2,000'	Date: February 2019
Base Map: ESRI ArcGIS Online 2019	
Thematic Information: Leighton	
Author: Leighton Geomatics (btran)	

SITE LOCATION MAP
Toll Brothers Apartment Homes Proposed Residential Development
26126 Victoria Boulevard
Capistrano Beach, CA

Figure 1

Leighton



FIGURE 3

Legend

- Soil boring location (soil sampling only)
- ▲ Soil boring location (soil and soil gas sampling)
- Fence
- Historical Building Footprint with Approximate Time Frame (~1938-1977)
- Approximate Site Boundary

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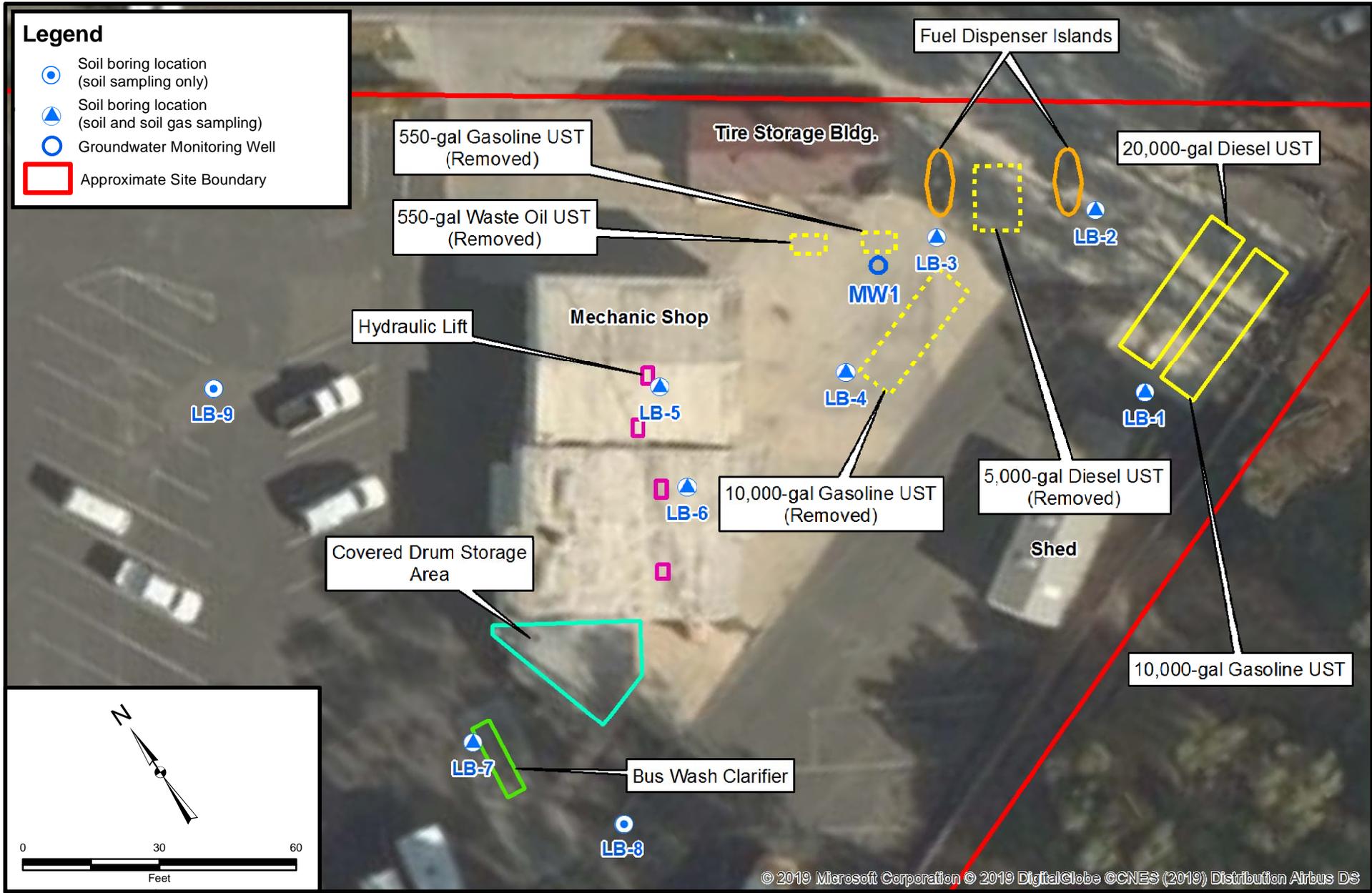
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Scale: 1" = 80'	Date: March 2019
Base Map: Bing Maps, 2016 2019	
Author: Leighton Geomatics (btran)	

SITE PLAN

Toll Brothers Apartment Homes Proposed Residential Development
26126 Victoria Boulevard
Capistrano Beach, CA

Figure 2

Leighton



Project: 12289.002	Eng/Geol: RL
Scale: 1" = 30'	Date: March 2019
Base Map: ESRI ArcGIS Online 2019	
Thematic Information: Leighton	
Author: Leighton Geomatics (btran)	

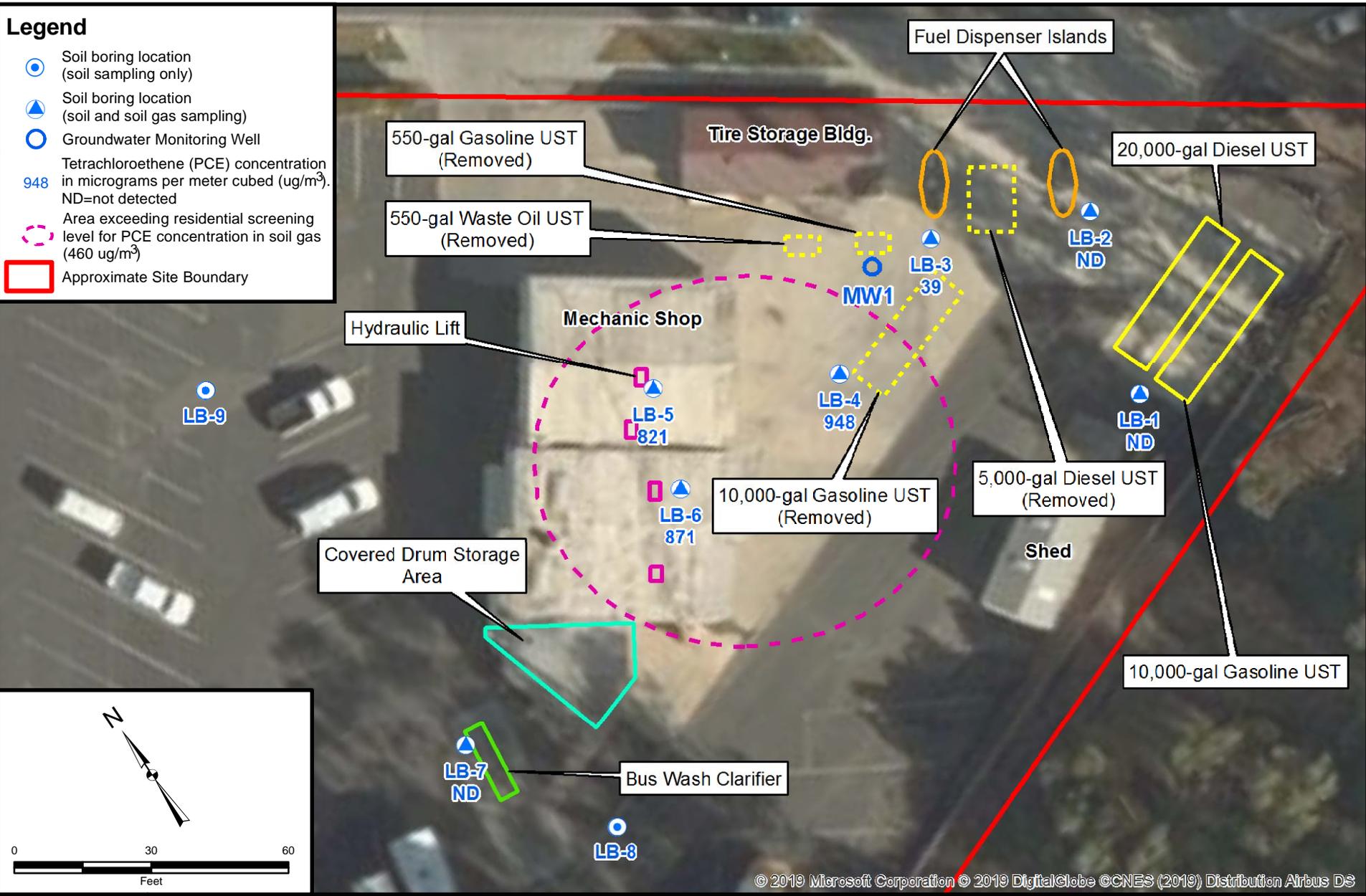
FUELING AREA AND MECHANIC SHOP
 Toll Brothers Apartment Homes Proposed Residential Development
 26126 Victoria Boulevard
 Capistrano Beach, CA

Figure 3

Leighton

Legend

- Soil boring location (soil sampling only)
- ▲ Soil boring location (soil and soil gas sampling)
- Groundwater Monitoring Well
- 948 Tetrachloroethene (PCE) concentration in micrograms per meter cubed (ug/m³). ND=not detected
- - - Area exceeding residential screening level for PCE concentration in soil gas (460 ug/m³)
- Approximate Site Boundary



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Project: 12289.002	Eng/Geol: RL
Scale: 1" = 30'	Date: March 2019
Base Map: ESRI ArcGIS Online 2019	
Thematic Information: Leighton	
Author: Leighton Geomatics (btran)	

PCE CONCENTRATIONS IN SOIL GAS AT 5 FEET BGS
 Toll Brothers Apartment Homes Proposed Residential Development
 26126 Victoria Boulevard
 Capistrano Beach, CA

Figure 4



Leighton

TABLES



Leighton

Table 1
TPH, VOC, and PCB Results for Soil Samples
 Toll Brothers Apartment Living
 26126 Victoria Blvd., Capistrano Beach, CA

Sample ID	Depth (ft bgs)	Date	TPH EPA 8015B mg/kg			VOCs EPA 8260B µg/kg							PCBs EPA 8082 µg/kg
			GRO C5-C12	DRO C13-C22	ORO C23-C40	1,2,4-Trimethyl- benzene	1,3,5-Trimethyl- benzene	4-Isopropyl- toluene	m,p-Xylene	Naphthalene	n-Butyl- benzene	All Other VOCs	All PCBs
Regulatory Guidance Screening Levels													
RWQCB ESL²			430	260	12,000	N/A	N/A	N/A	N/A	N/A	N/A	Varies	Varies
USEPA RSL³			N/A	N/A	N/A	300,000	270,000	N/A	550,000	3,800	3,900,000	Varies	Varies
DTSC SLs⁴			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,200,000	Varies	Varies
LB1-1	1	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB1-5	5	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB1-10	10	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB1-15	15	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB1-20	20	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB2-1	1	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB2-5	5	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB3-1	1	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB3-5	5	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB3-10	10	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB3-15	15	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB3-20	20	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB4-1	1	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB4-5	5	02/27/19	ND<1.0	130	1400	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB5-1	1	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB5-5	5	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	ND
LB6-1	1	02/27/19	ND<1.0	34	270	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	ND
LB6-5	5	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB7-1	1	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB7-5	5	02/27/19	ND<1.0	ND<10	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--
LB11-1	1	02/27/19	1.4	440	670	11	110	13	180	26	8.3	ND	--
LB11-3	3	02/27/19	ND<1.0	ND<10	ND<10	15	9.8	ND<5.0	ND<10	ND<5.0	ND<5.0	ND	--

Notes:

- 1.** **Bold** value indicates analyte detected above the laboratory method detection limit. **Red** indicates exceeding a regulatory screening level, if any.
- 2.** San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) updated Jan. 2019. Assumed residential criteria for shallow soil exposure.
- 3.** USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (November 2018). Criteria selected: Residential soil, Total Hazard Quotient (THQ) = 1.0, Target risk (TR) of 1.0E-6
- 4.** Department of Toxic Substances Control (DTSC), Modified Screening Levels (SLs), Human Health Risk Assessment Note 3, June 2018 (residential criteria)

ND: Analyte is not detected at or above the denoted practical quantitation limit (PQL)

N/A: Not applicable

--: Not analyzed

ft bgs: feet below ground surface

mg/L: milligrams per liter

µg/L: micrograms per liter

TPH: Total Petroleum Hydrocarbons

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

Table 2
TPH and VOC Results for Groundwater Sample MW1
 Toll Brothers Apartment Living
 26126 Victoria Blvd., Capistrano Beach, CA

Sample ID	Depth (ft bgs)	Date	Total Petroleum Hydrocarbons (TPH) EPA 8015B mg/L			VOCs EPA 8260B µg/L	
			GRO C5-C12	DRO C13-C22	ORO C23-C40	1,2-Dichloroethane	All Other VOCs
Regulatory Guidance Screening Levels							
RWQCB ESLs²			0.76	0.20	N/A	0.5	Varies
California MCLs³			N/A	N/A	N/A	0.5	Varies
MW1	22.5	02/27/19	ND<0.20	ND<0.20	ND<0.20	15	ND

Notes:

- 1.** **Bold** value indicates analyte detected above the laboratory method detection limit. **Red** indicates exceeding a regulatory screening level, if any.
- 2.** San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) updated Jan. 2019
- 3.** Maximum contaminant level (MCL) for drinking water in California.

-- : Not Analyzed

ND: Analyte is not detected at or above the denoted practical quantitation limit (PQL)

N/A: Not applicable

mg/L: milligrams per liter

µg/L: micrograms per liter

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

VOCs: Volatile Organic Compounds

ft bgs: feet below ground surface

TABLE 3
VOC Results for Soil Gas Samples
 EPA Method 8260B
 Toll Brothers Apartment Living
 26126 Victoria Blvd., Capistrano Beach, CA

Sample ID	Sample Depth (feet bgs)	Sample Date	Units	Duplicate	1,1,1-Trichloroethane	1,1-Dichloropropene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Ethyl benzene	Freon 12	Isopropylbenzene	m,p-Xylene	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	All Other VOCs
Regulatory Guidance Screening Levels																							
DTSC HERO Note 3 SL (with DTSC default AF of 0.001)			ug/m ³		1.0E+06	--	--	--	--	97	--	--	--	--	--	210000	--	--	420000	420000	460	310000	--
US EPA RSL (with DTSC default AF of 0.001)			ug/m ³		5.2E+06	--	63000	63000	--	360	1100	1.0E+05	4.2E+05	1.0E+05	83	--	1.0E+06	1.0E+05	--	--	11000	5.2E+06	--
LB1-5	5.0	3/1/2019	ug/m ³		<8	<10	30	10	<8	9	31	<16	<8	93	<40	<12	<8	36	<12	<12	<8	122	ND
LB1-11.5	11.5	3/1/2019	ug/m ³		<8	<10	21	<8	<8	<8	21	<16	<8	67	<40	<12	<8	28	<12	<12	<8	104	ND
LB1-11.5 REP	11.5	3/1/2019	ug/m ³	X	<8	<10	14	<8	<8	<8	17	<16	<8	58	<40	<12	<8	23	<12	<12	<8	90	ND
LB2-5	5.0	3/1/2019	ug/m ³		<8	<10	<8	31	<8	<8	<8	<16	<8	<16	<40	<12	<8	41	<12	<12	<8	<8	ND
LB3-5	5.0	3/1/2019	ug/m ³		<8	<10	8	<8	<8	<8	9	<16	<8	37	<40	<12	<8	13	<12	<12	39	38	ND
LB3-11.5	11.5	3/1/2019	ug/m ³		<8	<10	<8	<8	<8	<8	<8	<16	<8	<16	<40	<12	<8	<8	<12	<12	141	<8	ND
LB4-5	5.0	3/1/2019	ug/m ³		<8	<10	9	<8	<8	<8	<8	<16	<8	24	<40	<12	<8	<8	<12	<12	948	55	ND
LB5-5	5.0	3/1/2019	ug/m ³		9	<10	<8	<8	<8	<8	<8	<16	<8	<16	<40	<12	<8	<8	<12	<12	821	13	ND
LB6-5	5.0	3/1/2019	ug/m ³		<8	<10	<8	<8	<8	<8	<8	<16	<8	20	<40	<12	<8	<8	<12	<12	871	19	ND
LB7-5	5.0	3/1/2019	ug/m ³		<8	<10	<8	<8	<8	<8	<8	9	<8	<16	<40	<12	<8	<8	<12	<12	<8	<8	ND
LB10-5	5.0	3/1/2019	ug/m ³		<8	<10	77	28	<8	<8	76	<16	<8	258	<40	<12	14	88	<12	<12	<8	200	ND
LB10-10	10	3/1/2019	ug/m ³		<8	<10	134	60	<8	31	76	<16	<8	259	<40	14	<8	78	<12	<12	<8	347	ND
LB11-5	5.0	3/1/2019	ug/m ³		<8	6000	37400	27300	758	<8	36	<16	116	2800	1010	3240	234	104	528	31	<8	33	ND
LB12-5	5.0	3/1/2019	ug/m ³		<8	<10	22	<8	<8	<8	20	<16	<8	78	<40	<12	<8	25	<12	<12	<8	68	ND
LB14-5	5.0	3/1/2019	ug/m ³		<8	<10	15	<8	<8	<8	<8	<16	<8	<16	<40	<12	<8	<8	<12	<12	<8	126	ND
LB15-5	5.0	3/1/2019	ug/m ³		<8	<10	24	11	<8	<8	13	<16	<8	47	<40	<12	<8	17	<12	<12	<8	71	ND

NOTES

- 12** = Concentration above method detection limit; **RED** if value exceeds a residential screening level.
- <3 = Less than the reporting limit
- = No published value or not applicable
- ND = Not detected
- ug/m³ = Micrograms per cubic meter
- VOC = Volatile organic compound
- DTSC = Department of Toxic Substances Control
- EPA = Environmental Protection Agency
- HERO = Office of Human and Ecological Risk Office
- RSL = US EPA, Region IX, Residential Screening Level updated November 2018
- SL = DTSC Screening Level updated June 2018 (Residential)
- AF = Default attenuation factor (Table 2 of DTSC Vapor Intrusion Guidance Document 2011)

Table 4
OCP and Asbestos Results for Soil Samples
 Toll Brothers Apartment Living
 26126 Victoria Blvd., Capistrano Beach, CA

Sample ID	Depth (ft bgs)	Date	Organochlorine Pesticides (OCPs) EPA 8081A µg/kg						Asbestos EPA 600/M4-82-020; updated 600 R-93/116
			4,4'-DDD	4,4'-DDE	4,4'-DDT	alpha-Chlordane	gamma-Chlordane	All Other OCPs	
Regulatory Guidance Screening Levels, mg/kg									
USEPA RSL²			1,900	2,000	1,900	N/A	N/A	Varies	N/A
DTSC SLs³			N/A	N/A	N/A	440	N/A	Varies	N/A
LB8-1	1.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	NAD
LB8-3	3.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	NAD
LB9-1	1.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	NAD
LB9-3	3.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	12	16	ND	NAD
LB11-1	1.0	02/27/19	ND<2.0	11	15	ND<1.0	ND<1.0	ND	--
LB11-3	3.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	--
LB12-1	1.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	NAD
LB12-3	3.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	NAD
LB13-1	1.0	02/27/19	11	15	ND<2.0	ND<1.0	ND<1.0	ND	NAD
LB13-3	3.0	02/27/19	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND	NAD

Notes:

- Bold** value indicates analyte detected above the laboratory method detection limits. **Red** indicates a concentration exceeding a regulatory screening level, if any.
- USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (November 2018). Criteria selected: Residential soil, Total Hazard Quotient (THQ) = 1.0, Target risk (TR) of 1.0E-6
- Department of Toxic Substances Control (DTSC), Modified Screening Levels (SLs), Human Health Risk Assessment Note 3, June 2018 (residential criteria).

-- : Not Analyzed

ft bgs: feet below ground surface

µg/kg: micrograms per kilogram

ND: Analyte is not detected at or above the denoted practical quantitation limit (PQL)

NAD: No asbestos detected (method detection limit <1%)

N/A: Not applicable

OCPs: Organochlorine Pesticides

Table 5
Title 22 Metals Results for Soil Samples
 Toll Bros. Apartment Living
 26126 Victoria Blvd., Capistrano Beach, CA

Sample ID	Depth (ft bgs)	Sample Date	EPA Method 6010B/7471A, milligrams per kilogram (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium Total	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
LB1-20	20	02/27/19	--	--	--	--	--	--	--	--	ND<5.0 D5	--	--	--	--	--	--	--	
LB2-5	5.0	02/27/19	--	--	--	--	--	--	--	--	ND<1.0	--	--	--	--	--	--	--	
LB3-5	5.0	02/27/19	--	--	--	--	--	--	--	--	9.3	--	--	--	--	--	--	--	
LB4-5	5.0	02/27/19	--	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	
LB8-1	1.0	02/27/19	ND<2.0	1.5	64	ND<1.0	ND<1.0	9.3	4.0	5.8	1.0	ND<0.10	ND<1.0	7.9	ND<1.0	ND<1.0	ND<1.0	17	19
LB8-3	3.0	02/27/19	ND<2.0	1.3	64	ND<1.0	ND<1.0	7.2	3.1	4.6	ND<1.0	ND<0.10	1.1	7.1	ND<1.0	ND<1.0	ND<1.0	14	15
LB9-1	1.0	02/27/19	ND<2.0	3.2	91	ND<1.0	ND<1.0	17	5.3	12	2.0	ND<0.10	1.7	12	1.1	ND<1.0	ND<1.0	27	92
LB9-3	3.0	02/27/19	ND<2.0	3.8	86	ND<1.0	ND<1.0	15	5.0	10	5.0	ND<0.10	1.6	11	1.1	ND<1.0	ND<1.0	24	81
LB11-1	1.0	02/27/19	ND<2.0	2.0	73	ND<1.0	ND<1.0	12	3.4	7.8	2.2	ND<0.10	ND<1.0	7.2	ND<1.0	ND<1.0	ND<1.0	19	27
LB11-3	3.0	02/27/19	ND<4.0 D1	ND<2.0 D1	130 D1	ND<2.0 D1	ND<2.0 D1	25 D1	7.3 D1	17 D1	ND<2.0 D1	ND<0.10	ND<2.0 D1	17 D1	ND<2.0 D1	ND<2.0 D1	ND<2.0 D1	37 D1	59 D1
LB12-1	1.0	02/27/19	ND<2.0	ND<1.0	40	ND<1.0	ND<1.0	6.0	2.6	3.5	ND<1.0	ND<0.10	ND<1.0	5.5	ND<1.0	ND<1.0	ND<1.0	11	14
LB12-3	3.0	02/27/19	ND<2.0	1.1	31	ND<1.0	ND<1.0	5.0	2.6	2.8	ND<1.0	ND<0.10	ND<1.0	5.4	ND<1.0	ND<1.0	ND<1.0	11	12
LB13-1	1.0	02/27/19	ND<2.0	4.2	95	ND<1.0	ND<1.0	17	5.1	13	6.8	ND<0.10	1.8	11	ND<1.0	ND<1.0	ND<1.0	24	50
LB13-3	3.0	02/27/19	ND<2.0	2.4	85	ND<1.0	ND<1.0	15	4.7	10	1.1	ND<0.10	1.1	11	ND<1.0	ND<1.0	ND<1.0	24	35
Regulatory Guidance Screening Levels (mg/kg)																			
USEPA RSL³			31	0.68	15,000	160	71	-	23	3,100	400	11.0	390	1,500	390	390	0.78	390	23,000
DTSC SLs⁴			-	0.11	-	15.0	5.2	-	-	-	80⁶	1.0	-	490	-	390	-	390	-
DTSC Background⁵			-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hazardous Waste Criteria⁷																			
TTLC (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	500	2,000	100	500	700	2,400	5,000
10X STLC (mg/kg)			150	50	1,000	7.5	10	50	800	250	50	2	50	200	10	50	70	240	2,500
STLC/TCLP (mg/L)			15	5	100	0.75	1	5	80	25	5	0.2	5	20	1	5	7	24	250

Notes:

- 1. Bold** value indicates analyte detected above the laboratory method detection limit
- D1
- USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (November 2018). Criteria selected: Residential soil, Total Hazard Quotient = 1.0, Target risk of 1.0E-6
- Department of Toxic Substances Control (DTSC), Modified Screening Levels (SLs), Human Health Risk Assessment Note 3, June 2018.
Criteria selected: residential soil, lowest value of the cancer and non-cancer endpoint
- DTSC, Determination of a Southern California Regional Background Arsenic Concentration in Soil (March 2008)
- DTSC recommends that a 95% upper confidence limit on the arithmetic mean calculated to be 80 mg/kg or less is protective of human health
- Metals concentrations equaling or exceeding the TTLC are considered a hazardous waste. Those equaling or exceeding 10x STLC require additional analysis prior to disposal.

ND: Analyte is not detected at or above the denoted practical quantitation limit (PQL)

mg/kg: milligrams per kilogram

mg/L: milligrams per liter

ft bgs: feet below ground surface

--: not analyzed or not applicable

TTLC: Total Threshold Limit Concentration

STLC: Soluble Limit Threshold Concentration

TCLP: Toxicity Characteristic Leaching Procedure

D1: Sample required dilution due to possible matrix interference

D5: Sample diluted due to failing internal standard in the original run

APPENDIX A
REFERENCES



Leighton

APPENDIX A

References

- California Environmental Protection Agency, Department of Toxic Substances Control, Regional Water Quality Control Board – Los Angeles and San Francisco Regions, 2015, Advisory – Active soil Gas Investigations, dated July 2015.
- California Environmental Protection Agency, State Water Resources Control Board, 2017, MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants, last updated December 26, 2018.
- Department of Toxic Substances Control (DTSC,) 2008, Determination of a Southern California Regional Background Arsenic Concentration in Soil, by G. Chernoff, W. Bosan, and D. Oudiz, <http://www.dtsc.ca.gov/upload/Background-Arsenic.pdf> dated 2008.
- DTSC, 2011, Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air, dated October 2011.
- DTSC, 2016, Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs), dated June, 2018.
- Leighton and Associates, Inc., 2019, Phase I Environmental Site Assessment Report, 26126 Victoria Boulevard, APN 668-361-01, Capistrano Beach, California, dated March 13, 2019.
- San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019, Environmental Screening Levels, dated January 2019.
- The Reynolds Group, 1998, Report on Interim Source Removal Action & Report on Groundwater Well Installation, Capistrano Unified School District, Transportation and Maintenance Yard, 26126 Victoria Boulevard, Capistrano Beach, California, dated September 14, 1998.
- The Reynolds Group, 2000, Results of Single Well (MW-1) Groundwater Monitoring, Transportation and Maintenance Yard, 26126 Victoria Boulevard, Capistrano Beach, California, dated February 2, 2000.
- United States Environmental Protection Agency, 2017, Regional Screening Levels (RSLs), <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-june-2017>, Table updated in November, 2018.



APPENDIX B
CONCEPTUAL SITE PLAN



Leighton

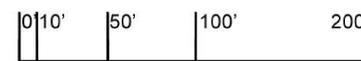
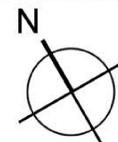


PROJECT SUMMARY:

5 STORY WRAP - TYPE III

1. STUDIO (600 S.F.) :	30 UNITS (7%)
1 BR (760 S.F.) :	228 UNITS (54%)
2 BR (1060 S.F.):	165 UNITS (39%)
TOTAL:	423 UNITS
3. GROSS ACRES:	+/- 5.6 ACRES
3. GROSS DENSITY:	75.5 DU/AC
4. NET ACRES:	+/- 4.4 ACRES
5. NET DENSITY:	96.1 DU/AC
6. PARKING REQUIRED:	804 STALLS
7. PARKING RATIO:	1.9 S/DU

VICTORIA BLVD APARTMENTS DANA POINT, CA
 PROJECT DIMENSIONS, INC.



CONCEPTUAL SITE PLAN

APPENDIX C
OCHCA PERMIT



Leighton

APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION

1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

(714) 433-6000
FAX: (714) 433-6481

CITY ✓ <u>Capistrano Beach (Dana Point)</u>	DATE <u>2/18/19</u>																				
WELL LOCATION (ADDRESS IF AVAILABLE) ✓ <u>26126 Victoria Blvd.</u>																					
NAME OF WELL OWNER <u>Toll Brothers Apartment Living</u>	TYPE OF WELL (CHECK) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">PRIVATE DOMESTIC</td> <td><input type="checkbox"/></td> <td style="width: 50%;">PROBE SURVEY</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>PUBLIC DOMESTIC</td> <td><input type="checkbox"/></td> <td>MONITORING</td> <td><input type="checkbox"/></td> </tr> <tr> <td>IRRIGATION</td> <td><input type="checkbox"/></td> <td>SOIL BORING</td> <td><input type="checkbox"/></td> </tr> <tr> <td>CATHODIC</td> <td><input type="checkbox"/></td> <td>OTHER _____</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2"></td> <td>TOTAL NUMBER</td> <td><u>15</u></td> </tr> </table>	PRIVATE DOMESTIC	<input type="checkbox"/>	PROBE SURVEY	<input checked="" type="checkbox"/>	PUBLIC DOMESTIC	<input type="checkbox"/>	MONITORING	<input type="checkbox"/>	IRRIGATION	<input type="checkbox"/>	SOIL BORING	<input type="checkbox"/>	CATHODIC	<input type="checkbox"/>	OTHER _____	<input type="checkbox"/>			TOTAL NUMBER	<u>15</u>
PRIVATE DOMESTIC		<input type="checkbox"/>	PROBE SURVEY	<input checked="" type="checkbox"/>																	
PUBLIC DOMESTIC		<input type="checkbox"/>	MONITORING	<input type="checkbox"/>																	
IRRIGATION		<input type="checkbox"/>	SOIL BORING	<input type="checkbox"/>																	
CATHODIC		<input type="checkbox"/>	OTHER _____	<input type="checkbox"/>																	
		TOTAL NUMBER	<u>15</u>																		
ADDRESS <u>200 Spectrum Center Dr., Suite 300</u>																					
CITY ZIP TELEPHONE <u>Irvine CA 92618 949-573-7300</u>																					
NAME OF CONSULTING FIRM <u>Leighton and Associates, Inc.</u>																					
BUSINESS ADDRESS <u>17781 Cowan</u>	A. WELLS - SUBMIT A WELL CONSTRUCTION DIAGRAM (INCLUDE DIMENSIONS) <u>No Wells, only temporary soil vapor probes (48-hours)</u>																				
CITY ZIP TELEPHONE <u>Irvine CA 92614 949-307-0527</u>	B. SOIL BORINGS AND PROBES - <u>15 total</u> TOTAL DEPTH <u>3' to 20'</u> SEALING MATERIAL <u>hydrated bentonite/Cement Grout</u>																				
NAME OF DRILLING CO. C-57 LICENSE NO. ✓ <u>Millennium Environmental 876595</u> ✓	C. PROPOSED START DATE <u>2/27/19</u>																				
CITY ZIP TELEPHONE ✓ <u>Anaheim CA 92806 714-238-1122</u> ✓	I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.																				
DIAGRAM OF WELL SITE (Use additional sheets and/or attachments) <u>See Attachment for Drilling Locations.</u>																					
✓ SITE PLAN ATTACHED		APPLICANT'S SIGNATURE <u>[Signature]</u> DATE <u>2/18/19</u> PRINT NAME <u>Robert Lovdahl</u> PHONE NUMBER <u>949-307-0527</u> FAX NUMBER <u>949-250-1114</u>																			
FOR ACCOUNTING USE ONLY: HSO NO. <u>394456</u> CHECK NO. <u>VS 3/21 3325</u> DATE <u>2-21-19</u> AMOUNT <u>382-</u> INTL. <u>RG</u>		DISPOSITION OF PERMIT (DO NOT FILL IN): <input checked="" type="checkbox"/> APPROVED SUBJECT TO THE FOLLOWING CONDITIONS: A. NOTIFY THIS AGENCY AT LEAST 48 HOURS <input checked="" type="checkbox"/> PRIOR TO START. <u>notify of any changes</u> <input type="checkbox"/> PRIOR TO SEALING THE ANNULAR SPACE OR FILLING OF THE CONDUCTOR CASING. B. <input type="checkbox"/> SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO. C. <input type="checkbox"/> SECURE ALL MONITORING WELLS TO PREVENT TAMPERING. D. <input checked="" type="checkbox"/> OTHER <u>notify when all work is completed and include first depth to groundwater</u> <input type="checkbox"/> DENIED																			
APPROVAL BY OTHER AGENCIES: JURISDICTION _____ REMARKS _____ _____ _____ _____		PERMIT ISSUED BY <u>Jane Nguyen</u> DATE <u>2/20/2019</u> PRINT NAME <u>Jane Nguyen</u> PHONE NUMBER <u>714-981-9081</u>																			
AUTHORIZED SIGNATURE _____ DATE _____	_____																				

WELL PERMIT NUMBER **19-02-23** permit expires on 2/20/2020

WHEN SIGNED BY ORANGE COUNTY HEALTH CARE AGENCY REPRESENTATIVE, THIS APPLICATION IS A PERMIT.

APPENDIX D
BORING LOGS



Leighton

MAJOR DIVISIONS				TYPICAL NAMES	
COARSE GRAINED SOILS More than Half > #200 sieve	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES
			GP		POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES
		GRAVELS WITH OVER 15% FINES	GM		SILTY GRAVELS, POORLY GRADED GRAVEL-SAND-SILT MIXTURES
			GC		CLAYEY GRAVELS, POORLY GRADED GRAVEL-SAND-CLAY MIXTURES
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL GRADED SANDS, GRAVELLY SANDS
			SP		POORLY GRADED SANDS, GRAVELLY SANDS
		SANDS WITH OVER 15% FINES	SM		SILTY SANDS, POORLY GRADED SAND-SILT MIXTURES
			SC		CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES
FINE GRAINED SOILS More than Half < #200 sieve	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL		INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL		ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH		ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			Pt		PEAT AND OTHER HIGHLY ORGANIC SOILS

SYMBOLS AND NOTES



= Sample Interval (Glass Jar)



= Sample Interval (Sleeve/Ring)



= Water Level at Time of Drilling



= Water Level After Drilling

USCS = Unified Soil Classification System

PID = Photoionization Detector

ppm = Parts Per Million

CLAST SIZE (Field Classification)

Gravel = >0.2 inches
 Sand = 0.003 - 0.2 inches
 Silt = <0.003 (not plastic)
 Clay = <0.003 (plastic)

DENSITY DESCRIPTORS (Sands)

4-10 blows per foot = Loose
 10-30 blows per foot = Medium Dense
 30-50 blows per foot = Dense
 >50 blows per foot = Very Dense

DESCRIPTORS

Trace = 1% - 5%
 Some = 6% - 10%
 With = 11% - 25%
 Clast Size + "y" = 26% - 40%
 And = >40%

DENSITY DESCRIPTORS (Silts/Clays)

2-4 blows per foot = Soft
 4-8 blows per foot = Medium Stiff
 8-15 blows per foot = Stiff
 15-30 blows per foot = Very Stiff
 >30 blows per foot = Hard

BORING LOG EXPLANATION





SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001 **BORING/WELL NUMBER** LB1
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA **DATE DRILLED** 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA **CASING TYPE/DIAMETER** 1/4" Nylaflo
DRILLING METHOD Hand Auger to 4.5 feet, then Direct Push **SCREEN TYPE/SLOT** Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve **GRAVEL PACK TYPE** #3 Monterey Sand
GROUND ELEVATION ft. **GROUT TYPE/QUANTITY** Hydrated Bentonite
TOP OF CASING ft. **DEPTH TO WATER** N/Aft.
LOGGED BY SAG **GROUND WATER ELEVATION** ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
								@Surface: 11 inches of concrete	1.0	
		6	LB1-1		0.0			@1': CLAY, dark brown, stiff, slightly moist, some fine to coarse sand, no odor or staining		Bentonite
5		6	LB1-5		0.0	CL		@5': Sandy CLAY, dark brown, stiff, slightly moist, fine sand, no odor or staining		#3 Monterey Sand Probe at 5.0'
10		6	LB1-10		0.0			@10': CLAY, greyish brown, stiff, slightly moist, some fine sand, no odors or staining, some orange oxidation veins	11.0	Bentonite
						ML		@11': Sandy SILT, light brown, medium dense, slightly moist, fine to coarse sand, no odor or staining	12.0	#3 Monterey Sand Probe at 11.5'
								@12': CLAY, greyish brown, stiff, slightly moist, some fine sand, no odors or staining, some orange oxidation veins		
15		6	LB1-15		0.0	CL		@15': CLAY, brown, stiff, slightly moist, trace very fine sand, no odors or staining		
20		6	LB1-20		0.0	ML		@19.5': Sandy SILT, light brown, medium dense, slightly moist, fine to medium sand, no odors or staining	19.5	
						CL		@21': CLAY, dark brown, stiff, slightly moist, trace very fine sand, no odors or staining	21.0	Bentonite
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19

Continued Next Page



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001 **BORING/WELL NUMBER** LB1
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA **DATE DRILLED** 2/27/2019

Continued from Previous Page

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
						CL		@21': CLAY, dark brown, stiff, slightly moist, trace very fine sand, no odors or staining <i>(continued)</i>		
35								Notes: Total Depth of Boring: 33 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet and 11.5 feet bgs Boring backfilled with hydrated bentonite chips	33.0	
40										
45										
50										
55										
60										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB2
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Hand Auger to 5 feet, then Direct Push	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

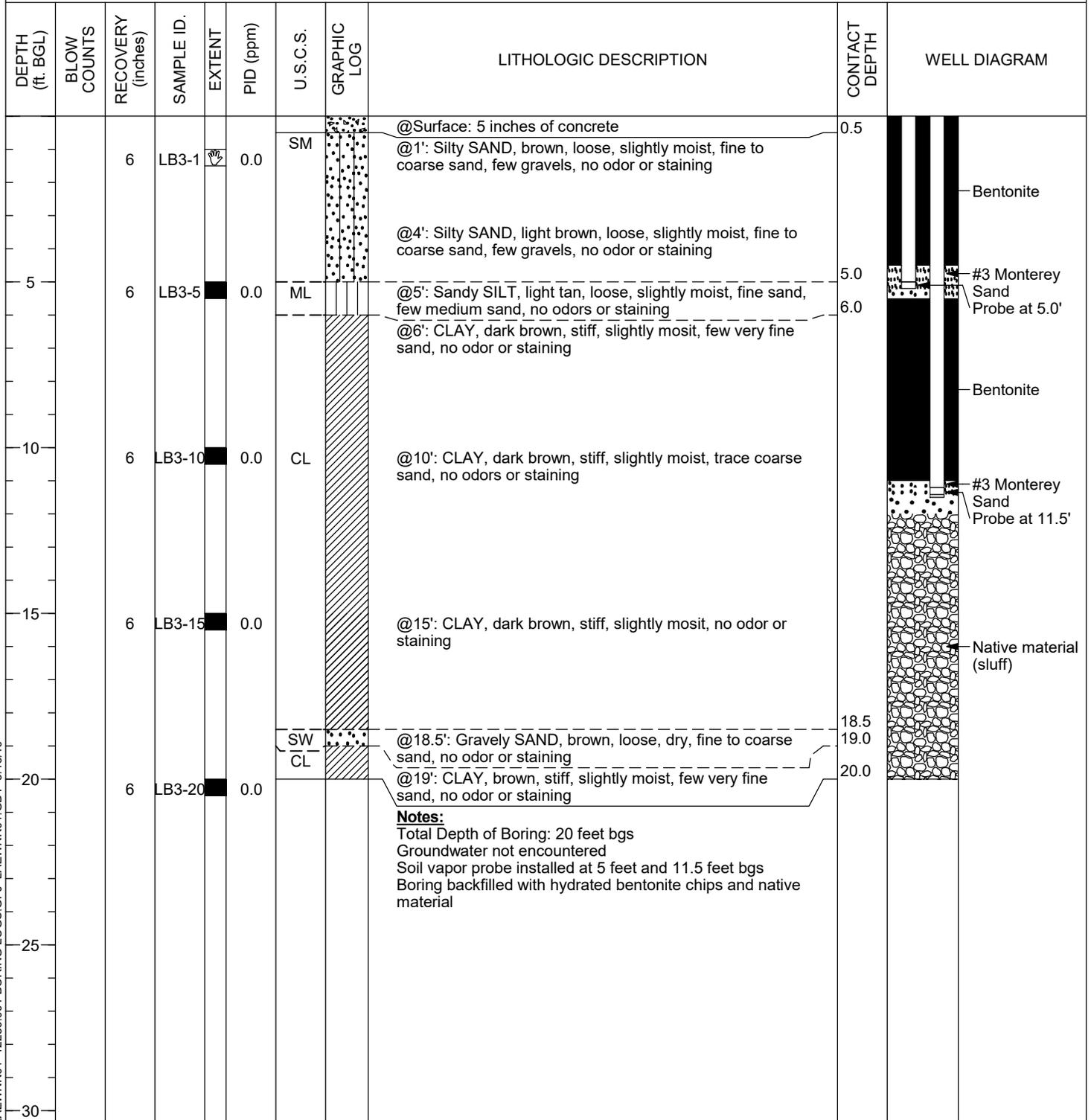
DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
			LB2-1		0.0	SM		@Surface: 5 inches of Concrete @1': Silty SAND, light brown, loose, slightly moist, very fine to fine sand, no odor or staining	0.5	
5			LB2-5		0.0	CL		@4': CLAY, dark brown, stiff, slightly moist, trace very fine sand, no odor or staining	4.0	
								Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips	5.5	

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWNN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB3
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Hand Auger to 4.5 feet, then Direct Push	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	



LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001 **BORING/WELL NUMBER** LB4
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA **DATE DRILLED** 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA **CASING TYPE/DIAMETER** 1/4" Nylaflo
DRILLING METHOD 3.25" Hand Auger to 1 foot, 2" Hand Auger to 5 feet **SCREEN TYPE/SLOT** Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve **GRAVEL PACK TYPE** #3 Monterey Sand
GROUND ELEVATION ft. **GROUT TYPE/QUANTITY** Hydrated Bentonite
TOP OF CASING ft. **DEPTH TO WATER** N/Aft.
LOGGED BY SAG **GROUND WATER ELEVATION** ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
		6	LB4-1	↕	0.0	CL		@Surface: 11 inches of Concrete @1': Sandy CLAY, brown, medium dense, slightly moist, very fine to fine sand, few medium to coarse sand, trace silt, no odor or staining	0.5	
5		6	LB4-5	↕	0.0	CL		@5': Sandy CLAY, dark brown, stiff, slightly moist, very fine to fine sand, trace coarse sand, no odor or staining Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips	5.5	

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB5
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflow
DRILLING METHOD Hand Auger	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
			LB5-1		0.0	SM		@Surface: 8 inches of Concrete	0.8	
								@1': Silty SAND, brown, loose, slightly moist, very fine to medium sand, trace clay, few coarse sand, no odor or staining	4.0	
5			LB5-5		0.0	SP		@4': SAND, light brown, loose, slightly moist, very fine to medium sand, some silt, no odor or staining	5.5	
								Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips		

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWNN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB6
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Hand Auger	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
		6	LB6-1	█	0.0	SM		@1': Silty SAND, brown, loose, slightly moist, fine to coarse sand, few gravel, no odor or staining		<p style="text-align: right;">Bentonite</p> <p style="text-align: right;">#3 Monterey Sand</p> <p style="text-align: right;">Probe at 5'</p>
5		6	LB6-5	█	0.0	SP		@4': SAND, light brown, loose, slightly moist, very fine to fine sand, few medium sand, no odor or staining	4.0 5.5	
								Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips		
10										
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB7
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
								@Surface: 7 inches of Concrete	0.8	
		6	LB7-1	■	0.0	CL		@1': CLAY, brown, medium stiff, slightly moist, few very fine to fine sand, no odor or staining		
5								@5': CLAY, brown, medium stiff, slightly moist, few coarse sand to gravel, no odor or staining	5.5	
		6	LB7-5	■	0.0					
<p>Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips</p>										
10										
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWNN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB8
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
								@Surface: 5 inches of Concrete @1': Sandy SILT, light brown, medium dense, slightly moist, very fine to fine sand, few medium to coarse sand, no odor or staining	0.5	
			LB8-3					@3': Sandy SILT, light brown, medium dense, slightly moist, very fine to fine sand, few medium to coarse sand, no odor or staining Notes: Total Depth of Boring: 3 feet bgs Groundwater not encountered Boring backfilled with hydrated bentonite chips	3.0	
5										
10										
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB9
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM	
						CL		@Surface: 3 inches of Concrete @1': CLAY, dark brown, medium stiff, slightly moist, few very fine to fine sand, no odor or staining @3': Sandy CLAY, dark brown, medium stiff, slightly moist, some fine to medium sand, few coarse sand, no odor or staining	0.3		Bentonite
		6	LB9-1	■	0.0						
		6	LB9-3	■	0.0				3.0		
5											
10											
15											
20											
25											
30											

Notes:
 Total Depth of Boring: 3 feet bgs
 Groundwater not encountered
 Boring backfilled with hydrated bentonite chips



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB10
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
						SM		@Surface: 3 inches of asphalt	0.3	
		6	LB10-1		0.0	CL		@1': Silty SAND, dark brown, medium dense, slightly moist, fine to coarse sand, some gravel, no odor or staining	5.0	
5		6	LB10-5		0.0	CL		@5': Sandy CLAY, dark brown, stiff, slightly moist, some fine sand, no odor or staining	5.0	
		6	LB10-10		0.0	CL		@10': Sandy CLAY, dark brown, stiff, slightly moist, some fine sand, no odor or staining	10.0	
10		6	LB10-15		0.0	CL		@15': CLAY, brown, medium stiff, slightly moist, some fine sand, no odor or staining	15.0	
15		6	LB10-20		0.0	CL		@20': CLAY, brown, medium stiff, slightly moist, some fine sand, no odor or staining	20.0	
20									25.0	
25										
30										

Notes:
 Total Depth of Boring: 25 feet bgs
 Groundwater not encountered
 Soil vapor probe installed at 5 feet and 10 feet bgs
 Boring backfilled with hydrated bentonite chips

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB11
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
						CL	[Hatched Box]	@Surface: 4 inches of asphalt @1': CLAY, dark brown, stiff, slightly moist, some fine sand, TPH odor, no staining	0.3	
		6	LB11-1	1042				@3': CLAY, dark brown, stiff, slightly moist, trace fine sand, slight TPH odor, no staining		
		6	LB11-3	23.6				@5': CLAY, dark brown, stiff, slightly moist, trace fine sand, no odor or staining	5.5	
		6	LB11-5	0.0				Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips		
5										
10										
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB12
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER 1/4" Nylaflo
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT Polyethylene Implant / N/A
SAMPLING METHOD Glass Jar/Sleeve	GRAVEL PACK TYPE #3 Monterey Sand
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY Hydrated Bentonite
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
			LB12-1		0.0	SM	●●●●●	@Surface: 5 inches of concrete @1': Silty SAND, brown, loose, slightly moist, very fine to medium sand, no odor or staining	0.5	<p style="text-align: right; margin-right: 20px;">Bentonite</p> <p style="text-align: right; margin-right: 20px;">#3 Monterey Sand</p> <p style="text-align: right; margin-right: 20px;">Probe at 5'</p>
			LB12-3		0.0		●●●●●	@3': Silty SAND, brown, loose, slightly moist, very fine to medium sand, no odor or staining	5.5	
								Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips		

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001 **BORING/WELL NUMBER** LB13
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA **DATE DRILLED** 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA **CASING TYPE/DIAMETER**
DRILLING METHOD Direct Push **SCREEN TYPE/SLOT**
SAMPLING METHOD Glass Jar/Sleeve **GRAVEL PACK TYPE**
GROUND ELEVATION ft. **GROUT TYPE/QUANTITY**
TOP OF CASING ft. **DEPTH TO WATER** N/Aft.
LOGGED BY SAG **GROUND WATER ELEVATION** ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
								@Surface: 5 inches of Concrete	0.5	 Bentonite
		6	LB13-1	■	0.0	CL		@1': Sandy CLAY, dark brown, stiff, slightly moist, fine to coarse sand, some gravel, no odor or staining		
		6	LB13-3	■	0.0			@3': Sandy CLAY, dark brown, stiff, slightly moist, fine to coarse sand, some gravel, no odor or staining	3.0	
5								Notes: Total Depth of Boring: 3 feet bgs Groundwater not encountered Boring backfilled with hydrated bentonite chips		
10										
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWNN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB14
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT
SAMPLING METHOD N/A	GRAVEL PACK TYPE
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
						CL		@Surface: 5 inches of concrete @0.5': CLAY, dark brown, stiff, slightly moist, few very fine to medium sand, trace coarse sand, no odor or staining @4': CLAY, dark brown, medium stiff, slightly moist, few very fine to medium sand, no odor or staining	0.5	<p style="text-align: right; margin-right: 50px;">Bentonite</p> <p style="text-align: right; margin-right: 50px;">#3 Monterey Sand</p> <p style="text-align: right; margin-right: 50px;">Probe at 5'</p>
5								Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips	5.5	
10										
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWNN01.GDT 3/13/19



SOIL BORING LOG/WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 12289.001	BORING/WELL NUMBER LB15
PROJECT NAME Toll Bros. Apartment Living - Phase II ESA	DATE DRILLED 2/27/2019
LOCATION 26126 Victoria Blvd., Capistrano Beach, CA	CASING TYPE/DIAMETER
DRILLING METHOD Direct Push	SCREEN TYPE/SLOT
SAMPLING METHOD N/A	GRAVEL PACK TYPE
GROUND ELEVATION ft.	GROUT TYPE/QUANTITY
TOP OF CASING ft.	DEPTH TO WATER N/Aft.
LOGGED BY SAG	GROUND WATER ELEVATION ft.
REMARKS Boring completed by Millennium Environmental, Inc. using Geoprobe6600.	

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
						CL		@Surface: 5 inches of concrete @0.5': CLAY, dark brown, stiff, slightly moist, few very fine to fine sand, no odor or staining @5': CLAY, dark brown, stiff, slightly moist, few very fine to fine sand, no odor or staining	0.5	
5									5.5	
10								Notes: Total Depth of Boring: 5.5 feet bgs Groundwater not encountered Soil vapor probe installed at 5 feet bgs Boring backfilled with hydrated bentonite chips		
15										
20										
25										
30										

LAEWNN01 12289.001 BORING LOGS.GPJ LAEWNN01.GDT 3/13/19

APPENDIX E
GROUNDWATER SAMPLING LOG



Leighton

APPENDIX F
LABORATORY ANALYTICAL RESULTS



Leighton



March 07, 2019

Robert Lovdahl
Leighton & Associates
17781 Cowan Street
Irvine, CA 92614
Tel: (949) 250-1421
Fax:(949) 757-7230

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1900795
Client Reference : 26126 VICTORIA BLVD, 11183.001

Enclosed are the results for sample(s) received on February 27, 2019 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez", is placed above the typed name.

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LB1-1	1900795-01	Soil	2/27/19 7:27	2/27/19 14:30
LB1-5	1900795-02	Soil	2/27/19 7:37	2/27/19 14:30
LB1-10	1900795-03	Soil	2/27/19 7:38	2/27/19 14:30
LB1-15	1900795-04	Soil	2/27/19 7:42	2/27/19 14:30
LB1-20	1900795-05	Soil	2/27/19 7:47	2/27/19 14:30
LB2-1	1900795-06	Soil	2/27/19 8:25	2/27/19 14:30
LB2-5	1900795-07	Soil	2/27/19 8:30	2/27/19 14:30
LB3-1	1900795-08	Soil	2/27/19 8:45	2/27/19 14:30
LB3-5	1900795-09	Soil	2/27/19 8:55	2/27/19 14:30
LB3-10	1900795-10	Soil	2/27/19 8:58	2/27/19 14:30
LB3-15	1900795-11	Soil	2/27/19 9:00	2/27/19 14:30
LB3-20	1900795-12	Soil	2/27/19 9:03	2/27/19 14:30
LB4-1	1900795-13	Soil	2/27/19 9:15	2/27/19 14:30
LB4-5	1900795-14	Soil	2/27/19 9:25	2/27/19 14:30
LB5-1	1900795-15	Soil	2/27/19 9:35	2/27/19 14:30
LB5-5	1900795-16	Soil	2/27/19 9:40	2/27/19 14:30
LB8-1	1900795-17	Soil	2/27/19 9:57	2/27/19 14:30
LB8-3	1900795-18	Soil	2/27/19 10:00	2/27/19 14:30
MW1	1900795-19	Water	2/27/19 10:00	2/27/19 14:30
LB6-1	1900795-20	Soil	2/27/19 9:45	2/27/19 14:30
LB6-5	1900795-21	Soil	2/27/19 9:46	2/27/19 14:30
LB7-1	1900795-22	Soil	2/27/19 10:10	2/27/19 14:30
LB7-5	1900795-23	Soil	2/27/19 10:15	2/27/19 14:30
LB9-1	1900795-24	Soil	2/27/19 10:40	2/27/19 14:30
LB9-3	1900795-25	Soil	2/27/19 10:45	2/27/19 14:30
LB11-1	1900795-31	Soil	2/27/19 11:30	2/27/19 14:30
LB11-3	1900795-32	Soil	2/27/19 11:35	2/27/19 14:30
LB12-1	1900795-34	Soil	2/27/19 10:50	2/27/19 14:30
LB12-3	1900795-35	Soil	2/27/19 10:55	2/27/19 14:30
LB13-1	1900795-36	Soil	2/27/19 11:50	2/27/19 14:30
LB13-3	1900795-37	Soil	2/27/19 11:55	2/27/19 14:30

CASE NARRATIVE

The samples for Asbestos analysis were subcontracted to AQ Environmental Laboratories with NVLAP , Lab Code 500044-0.



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Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

DETECTION SUMMARY

Client Sample ID LB3-5

Lab ID: 1900795-09

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	9.3	1.0	1	B9C0019	03/04/2019	03/04/19 15:54	

Client Sample ID LB4-5

Lab ID: 1900795-14

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	27	1.0	1	B9C0019	03/04/2019	03/04/19 15:55	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	130	10	1	B9C0027	03/01/2019	03/02/19 00:33	
C23-C40	1400	10	1	B9C0027	03/01/2019	03/02/19 00:33	

Client Sample ID LB8-1

Lab ID: 1900795-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.5	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Barium	64	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Chromium	9.3	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Cobalt	4.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Copper	5.8	2.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Lead	1.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Nickel	7.9	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Vanadium	17	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Zinc	19	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	



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Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

DETECTION SUMMARY

Client Sample ID LB8-3

Lab ID: 1900795-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.3	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Barium	64	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Chromium	7.2	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Cobalt	3.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Copper	4.6	2.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Molybdenum	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Nickel	7.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Vanadium	14	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Zinc	15	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	

Client Sample ID MW1

Lab ID: 1900795-19

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2-Dichloroethane	15	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	

Client Sample ID LB6-1

Lab ID: 1900795-20

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	34	10	1	B9C0027	03/01/2019	03/02/19 00:50	
C23-C40	270	10	1	B9C0027	03/01/2019	03/02/19 00:50	



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Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

DETECTION SUMMARY

Client Sample ID LB9-1

Lab ID: 1900795-24

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.2	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Barium	91	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Chromium	17	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Cobalt	5.3	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Copper	12	2.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Lead	2.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Molybdenum	1.7	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Nickel	12	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Selenium	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Vanadium	27	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Zinc	92	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	



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Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

DETECTION SUMMARY

Client Sample ID LB9-3

Lab ID: 1900795-25

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	3.8	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Barium	86	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Chromium	15	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Cobalt	5.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Copper	10	2.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Lead	5.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Molybdenum	1.6	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Nickel	11	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Selenium	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Vanadium	24	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Zinc	81	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
alpha-Chlordane	12	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
gamma-Chlordane	16	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

DETECTION SUMMARY

Client Sample ID LB11-1

Lab ID: 1900795-31

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Barium	73	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Chromium	12	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Cobalt	3.4	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Copper	7.8	2.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Lead	2.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Nickel	7.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Vanadium	19	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Zinc	27	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	1.4	1.0	1	B9C0001	03/01/2019	03/01/19 10:48	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	670	10	1	B9C0033	03/01/2019	03/02/19 05:50	
C23-C40	440	10	1	B9C0033	03/01/2019	03/02/19 05:50	



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17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

DETECTION SUMMARY

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDE [2C]	11	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
4,4'-DDT	15	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	



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DETECTION SUMMARY

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trimethylbenzene	180	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,3,5-Trimethylbenzene	110	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
4-Isopropyltoluene	8.3	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
m,p-Xylene	26	10	1	B9C0002	03/01/2019	03/01/19 17:36	
n-Butylbenzene	13	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Naphthalene	11	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	



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Project Number : 26126 VICTORIA BLVD, 11183.001

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DETECTION SUMMARY

Client Sample ID LB11-3

Lab ID: 1900795-32

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Barium	130	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Chromium	25	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Cobalt	7.3	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Copper	17	4.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Nickel	17	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Vanadium	37	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Zinc	59	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trimethylbenzene	15	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,3,5-Trimethylbenzene	9.8	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	

Client Sample ID LB12-1

Lab ID: 1900795-34

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Barium	40	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Chromium	6.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Cobalt	2.6	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Copper	3.5	2.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Nickel	5.5	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Vanadium	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Zinc	14	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	



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DETECTION SUMMARY

Client Sample ID LB12-3

Lab ID: 1900795-35

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Barium	31	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Chromium	5.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Cobalt	2.6	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Copper	2.8	2.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Nickel	5.4	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Vanadium	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Zinc	12	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	



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DETECTION SUMMARY

Client Sample ID LB13-1

Lab ID: 1900795-36

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	4.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Barium	95	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Chromium	17	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Cobalt	5.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Copper	13	2.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Lead	6.8	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Molybdenum	1.8	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Nickel	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Vanadium	24	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Zinc	50	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	11	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
4,4'-DDE	15	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	

Client Sample ID LB13-3

Lab ID: 1900795-37

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.4	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Barium	85	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Chromium	15	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Cobalt	4.7	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Copper	10	2.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Lead	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Molybdenum	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Nickel	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Vanadium	24	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Zinc	35	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	



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Client Sample ID LB1-1

Lab ID: 1900795-01

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 15:19	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	<i>02/28/19 15:19</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 22:35	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 22:35	
<i>Surrogate: p-Terphenyl</i>	<i>115 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	<i>03/01/19 22:35</i>	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	



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Client Sample ID LB1-1

Lab ID: 1900795-01

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(ug/kg)	(ug/kg)				Analyzed	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:01	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 14:01	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 14:01	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	



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Client Sample ID LB1-1

Lab ID: 1900795-01

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 14:01	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:01	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:01	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86.3 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 14:01</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.6 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 14:01</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>102 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 14:01</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.6 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 14:01</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-5

Lab ID: 1900795-02

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 15:38	
Surrogate: 4-Bromofluorobenzene	108 %	45 - 149		B9B0646	02/28/2019	02/28/19 15:38	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 18:55	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 18:55	
Surrogate: p-Terphenyl	107 %	58 - 172		B9C0027	03/01/2019	03/01/19 18:55	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-5

Lab ID: 1900795-02

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:20	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 14:20	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 14:20	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	



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17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-5

Lab ID: 1900795-02

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 14:20	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:20	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>94.3 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 14:20</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.0 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 14:20</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>108 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 14:20</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.8 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 14:20</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-10

Lab ID: 1900795-03

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 15:57	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>110 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 15:57	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 19:12	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 19:12	
<i>Surrogate: p-Terphenyl</i>	<i>97.9 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/01/19 19:12	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

Client Sample ID LB1-10

Lab ID: 1900795-03

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:39	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 14:39	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 14:39	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	



Certificate of Analysis

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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-10

Lab ID: 1900795-03

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 14:39	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:39	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:39	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>97.5 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	02/28/19 14:39	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.3 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	02/28/19 14:39	
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	02/28/19 14:39	
<i>Surrogate: Toluene-d8</i>	<i>94.2 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	02/28/19 14:39	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-15

Lab ID: 1900795-04

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 16:15	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>112 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	<i>02/28/19 16:15</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 19:29	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 19:29	
<i>Surrogate: p-Terphenyl</i>	<i>86.9 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	<i>03/01/19 19:29</i>	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-15

Lab ID: 1900795-04

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(ug/kg)	(ug/kg)				Analyzed	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:58	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 14:58	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 14:58	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	



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17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-15

Lab ID: 1900795-04

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 14:58	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 14:58	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 14:58	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>96.9 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 14:58</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.3 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 14:58</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 14:58</i>	
<i>Surrogate: Toluene-d8</i>	<i>97.4 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 14:58</i>	



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Client Sample ID LB1-20

Lab ID: 1900795-05

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	ND	5.0	5	B9C0019	03/04/2019	03/04/19 16:30	D5

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 16:34	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.8 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 16:34	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 19:46	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 19:46	
<i>Surrogate: p-Terphenyl</i>	<i>98.9 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/01/19 19:46	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	



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17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-20

Lab ID: 1900795-05

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 15:17	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 15:17	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 15:17	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB1-20

Lab ID: 1900795-05

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 15:17	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 15:17	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:17	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>104 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 15:17</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.2 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 15:17</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>113 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 15:17</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.3 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 15:17</i>	



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17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB2-1

Lab ID: 1900795-06

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 16:52	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	<i>02/28/19 16:52</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/02/19 00:17	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/02/19 00:17	
<i>Surrogate: p-Terphenyl</i>	<i>125 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	<i>03/02/19 00:17</i>	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB2-1

Lab ID: 1900795-06

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 13:30	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 13:30	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 13:30	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB2-1

Lab ID: 1900795-06

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 13:30	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 13:30	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>83.0 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 13:30</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.0 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 13:30</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>98.6 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 13:30</i>	
<i>Surrogate: Toluene-d8</i>	<i>91.9 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 13:30</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

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Client Sample ID LB2-5

Lab ID: 1900795-07

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	ND	1.0	1	B9C0019	03/04/2019	03/04/19 15:50	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 17:11	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	<i>02/28/19 17:11</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 23:09	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 23:09	
<i>Surrogate: p-Terphenyl</i>	<i>108 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	<i>03/01/19 23:09</i>	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	



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Project Number : 26126 VICTORIA BLVD, 11183.001

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Reported : 03/07/2019

Client Sample ID LB2-5

Lab ID: 1900795-07

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 15:55	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 15:55	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 15:55	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	



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17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB2-5

Lab ID: 1900795-07

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 15:55	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 15:55	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 15:55	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>90.9 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 15:55</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.6 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 15:55</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 15:55</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.4 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 15:55</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-1

Lab ID: 1900795-08

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 17:30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.6 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 17:30	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 20:03	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 20:03	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/01/19 20:03	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	



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Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-1

Lab ID: 1900795-08

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 16:14	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 16:14	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 16:14	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	



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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-1

Lab ID: 1900795-08

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 16:14	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 16:14	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:14	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>87.6 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 16:14</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.3 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 16:14</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 16:14</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.7 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 16:14</i>	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-5

Lab ID: 1900795-09

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	9.3	1.0	1	B9C0019	03/04/2019	03/04/19 15:54	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 17:48	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>105 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 17:48	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 20:20	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 20:20	
<i>Surrogate: p-Terphenyl</i>	<i>120 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/01/19 20:20	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	



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Client Sample ID LB3-5

Lab ID: 1900795-09

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(ug/kg)	(ug/kg)				Analyzed	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 16:33	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 16:33	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 16:33	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	



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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-5

Lab ID: 1900795-09

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 16:33	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 16:33	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:33	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86.3 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	02/28/19 16:33	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.6 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	02/28/19 16:33	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	02/28/19 16:33	
<i>Surrogate: Toluene-d8</i>	<i>95.6 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	02/28/19 16:33	



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Reported : 03/07/2019

Client Sample ID LB3-10

Lab ID: 1900795-10

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 18:07	
Surrogate: 4-Bromofluorobenzene	107 %	45 - 149		B9B0646	02/28/2019	02/28/19 18:07	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 20:37	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 20:37	
Surrogate: p-Terphenyl	112 %	58 - 172		B9C0027	03/01/2019	03/01/19 20:37	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	



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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-10

Lab ID: 1900795-10

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 16:51	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 16:51	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 16:51	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	



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Client Sample ID LB3-10

Lab ID: 1900795-10

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 16:51	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 16:51	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 16:51	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>90.6 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 16:51</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.5 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 16:51</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 16:51</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.1 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 16:51</i>	



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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-15

Lab ID: 1900795-11

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 18:26	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>108 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 18:26	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 20:54	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 20:54	
<i>Surrogate: p-Terphenyl</i>	<i>105 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/01/19 20:54	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-15

Lab ID: 1900795-11

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(ug/kg)	(ug/kg)				Analyzed	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 17:10	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 17:10	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 17:10	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-15

Lab ID: 1900795-11

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 17:10	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 17:10	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:10	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>90.6 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	02/28/19 17:10	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.4 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	02/28/19 17:10	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	02/28/19 17:10	
<i>Surrogate: Toluene-d8</i>	<i>95.5 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	02/28/19 17:10	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-20

Lab ID: 1900795-12

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 18:44	
Surrogate: 4-Bromofluorobenzene	102 %	45 - 149		B9B0646	02/28/2019	02/28/19 18:44	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 21:11	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 21:11	
Surrogate: p-Terphenyl	94.7 %	58 - 172		B9C0027	03/01/2019	03/01/19 21:11	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-20

Lab ID: 1900795-12

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 17:29	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 17:29	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 17:29	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	



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Leighton & Associates
17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB3-20

Lab ID: 1900795-12

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 17:29	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 17:29	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:29	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86.0 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	02/28/19 17:29	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.6 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	02/28/19 17:29	
<i>Surrogate: Dibromofluoromethane</i>	<i>101 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	02/28/19 17:29	
<i>Surrogate: Toluene-d8</i>	<i>95.5 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	02/28/19 17:29	



Certificate of Analysis

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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB4-1

Lab ID: 1900795-13

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 19:03	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>107 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 19:03	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/02/19 00:00	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/02/19 00:00	
<i>Surrogate: p-Terphenyl</i>	<i>99.7 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/02/19 00:00	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB4-1

Lab ID: 1900795-13

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 17:48	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 17:48	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 17:48	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	



Certificate of Analysis

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Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB4-1

Lab ID: 1900795-13

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 17:48	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 17:48	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 17:48	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>87.2 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	02/28/19 17:48	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.5 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	02/28/19 17:48	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	02/28/19 17:48	
<i>Surrogate: Toluene-d8</i>	<i>93.9 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	02/28/19 17:48	



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Project Number : 26126 VICTORIA BLVD, 11183.001

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Reported : 03/07/2019

Client Sample ID LB4-5

Lab ID: 1900795-14

Total Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Lead	27	1.0	1	B9C0019	03/04/2019	03/04/19 15:55	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 19:21	
Surrogate: 4-Bromofluorobenzene	102 %	45 - 149		B9B0646	02/28/2019	02/28/19 19:21	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	130	10	1	B9C0027	03/01/2019	03/02/19 00:33	
C23-C40	1400	10	1	B9C0027	03/01/2019	03/02/19 00:33	
Surrogate: p-Terphenyl	102 %	58 - 172		B9C0027	03/01/2019	03/02/19 00:33	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	



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17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

Client Sample ID LB4-5

Lab ID: 1900795-14

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 18:07	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 18:07	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 18:07	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB4-5

Lab ID: 1900795-14

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 18:07	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 18:07	
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 18:07	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>91.4 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 18:07</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.3 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 18:07</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>108 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 18:07</i>	
<i>Surrogate: Toluene-d8</i>	<i>97.4 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 18:07</i>	



Certificate of Analysis

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Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB5-1

Lab ID: 1900795-15

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 19:40	
Surrogate: 4-Bromofluorobenzene	104 %	45 - 149		B9B0646	02/28/2019	02/28/19 19:40	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 22:52	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 22:52	
Surrogate: p-Terphenyl	106 %	58 - 172		B9C0027	03/01/2019	03/01/19 22:52	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	



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Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB5-1

Lab ID: 1900795-15

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 11:55	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 11:55	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 11:55	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB5-1

Lab ID: 1900795-15

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 11:55	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 11:55	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:55	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>90.6 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 11:55</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.1 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 11:55</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 11:55</i>	
<i>Surrogate: Toluene-d8</i>	<i>97.2 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 11:55</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB5-5

Lab ID: 1900795-16

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 19:59	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 19:59	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 21:28	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 21:28	
<i>Surrogate: p-Terphenyl</i>	<i>101 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/01/19 21:28	

Polychlorinated Biphenyls by EPA 8082

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1221	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1232	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1242	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1248	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1254	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1260	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1262	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
Aroclor 1268	ND	16	1	B9C0074	03/04/2019	03/05/19 10:16	
<i>Surrogate: Decachlorobiphenyl</i>	<i>76.5 %</i>	<i>38 - 117</i>		B9C0074	03/04/2019	03/05/19 10:16	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>81.0 %</i>	<i>39 - 121</i>		B9C0074	03/04/2019	03/05/19 10:16	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	



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17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB5-5

Lab ID: 1900795-16

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	



Certificate of Analysis

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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB5-5

Lab ID: 1900795-16

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 14:27	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 14:27	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 14:27	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 14:27	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 14:27	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 14:27	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>81.5 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 14:27</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.1 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 14:27</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>99.0 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 14:27</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.9 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 14:27</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB8-1

Lab ID: 1900795-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Arsenic	1.5	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Barium	64	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Chromium	9.3	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Cobalt	4.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Copper	5.8	2.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Lead	1.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Molybdenum	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Nickel	7.9	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Vanadium	17	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	
Zinc	19	1.0	1	B9C0017	03/04/2019	03/04/19 13:52	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:10	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 14:44	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	



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Client Sample ID LB8-1

Lab ID: 1900795-17

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:44	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 14:44	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 14:44	
<i>Surrogate: Decachlorobiphenyl</i>	<i>57.0 %</i>	<i>32 - 91</i>		B9C0026	02/28/2019	<i>03/01/19 14:44</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>68.2 %</i>	<i>38 - 93</i>		B9C0026	02/28/2019	<i>03/01/19 14:44</i>	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB8-3

Lab ID: 1900795-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Arsenic	1.3	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Barium	64	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Chromium	7.2	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Cobalt	3.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Copper	4.6	2.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Lead	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Molybdenum	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Nickel	7.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Vanadium	14	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	
Zinc	15	1.0	1	B9C0017	03/04/2019	03/04/19 13:54	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:16	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 14:54	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	



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17781 Cowan Street
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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB8-3

Lab ID: 1900795-18

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 14:54	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 14:54	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 14:54	
<i>Surrogate: Decachlorobiphenyl</i>	55.5 %	32 - 91		B9C0026	02/28/2019	03/01/19 14:54	
<i>Surrogate: Tetrachloro-m-xylene</i>	74.0 %	38 - 93		B9C0026	02/28/2019	03/01/19 14:54	



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Reported : 03/07/2019

Client Sample ID MW1

Lab ID: 1900795-19

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	0.20	1	B9B0638	02/28/2019	02/28/19 10:21	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>110 %</i>	<i>70 - 130</i>		B9B0638	02/28/2019	<i>02/28/19 10:21</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	0.20	1	B9C0025	03/01/2019	03/01/19 13:48	
C23-C40	ND	0.20	1	B9C0025	03/01/2019	03/01/19 13:48	
<i>Surrogate: p-Terphenyl</i>	<i>106 %</i>	<i>32 - 169</i>		B9C0025	03/01/2019	<i>03/01/19 13:48</i>	

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,1,1-Trichloroethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,1,2-Trichloroethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,1-Dichloroethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,1-Dichloroethene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,1-Dichloropropene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2,3-Trichloropropane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2-Dibromo-3-chloropropane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2-Dibromoethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2-Dichlorobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2-Dichloroethane	15	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,2-Dichloropropane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,3-Dichlorobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,3-Dichloropropane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
1,4-Dichlorobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
2,2-Dichloropropane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
2-Chlorotoluene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID MW1

Lab ID: 1900795-19

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
4-Isopropyltoluene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Benzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Bromobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Bromochloromethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Bromodichloromethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Bromoform	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Bromomethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Carbon disulfide	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Carbon tetrachloride	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Chlorobenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Chloroethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Chloroform	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Chloromethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Di-isopropyl ether	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Dibromochloromethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Dibromomethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Dichlorodifluoromethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Ethyl Acetate	ND	50	1	B9C0044	03/04/2019	03/04/19 15:26	
Ethyl Ether	ND	50	1	B9C0044	03/04/2019	03/04/19 15:26	
Ethyl tert-butyl ether	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Ethylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Freon-113	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Hexachlorobutadiene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Isopropylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
m,p-Xylene	ND	10	1	B9C0044	03/04/2019	03/04/19 15:26	
Methylene chloride	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
MTBE	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
n-Butylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
n-Propylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Naphthalene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
o-Xylene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
sec-Butylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Styrene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
tert-Amyl methyl ether	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	



Certificate of Analysis

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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID MW1

Lab ID: 1900795-19

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9C0044	03/04/2019	03/04/19 15:26	
tert-Butylbenzene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Tetrachloroethene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Toluene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Trichloroethene	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Trichlorofluoromethane	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
Vinyl acetate	ND	50	1	B9C0044	03/04/2019	03/04/19 15:26	
Vinyl chloride	ND	5.0	1	B9C0044	03/04/2019	03/04/19 15:26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>108 %</i>	<i>69 - 124</i>		B9C0044	03/04/2019	<i>03/04/19 15:26</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.8 %</i>	<i>78 - 111</i>		B9C0044	03/04/2019	<i>03/04/19 15:26</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>111 %</i>	<i>65 - 134</i>		B9C0044	03/04/2019	<i>03/04/19 15:26</i>	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>78 - 117</i>		B9C0044	03/04/2019	<i>03/04/19 15:26</i>	



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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB6-1

Lab ID: 1900795-20

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 20:17	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>45 - 149</i>		B9B0646	02/28/2019	02/28/19 20:17	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	34	10	1	B9C0027	03/01/2019	03/02/19 00:50	
C23-C40	270	10	1	B9C0027	03/01/2019	03/02/19 00:50	
<i>Surrogate: p-Terphenyl</i>	<i>146 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	03/02/19 00:50	

Polychlorinated Biphenyls by EPA 8082

Analyst: CR

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1221	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1232	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1242	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1248	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1254	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1260	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1262	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
Aroclor 1268	ND	16	1	B9C0074	03/04/2019	03/05/19 10:35	
<i>Surrogate: Decachlorobiphenyl</i>	<i>74.7 %</i>	<i>38 - 117</i>		B9C0074	03/04/2019	03/05/19 10:35	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>78.5 %</i>	<i>39 - 121</i>		B9C0074	03/04/2019	03/05/19 10:35	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	



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Client Sample ID LB6-1

Lab ID: 1900795-20

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	



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Reported : 03/07/2019

Client Sample ID LB6-1

Lab ID: 1900795-20

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 12:33	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 12:33	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 12:33	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 12:33	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 12:33	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:33	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>95.5 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 12:33</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.9 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 12:33</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 12:33</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.0 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 12:33</i>	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB6-5

Lab ID: 1900795-21

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9C0001	03/01/2019	03/01/19 09:52	
Surrogate: 4-Bromofluorobenzene	96.8 %	45 - 149		B9C0001	03/01/2019	03/01/19 09:52	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 21:44	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 21:44	
Surrogate: p-Terphenyl	119 %	58 - 172		B9C0027	03/01/2019	03/01/19 21:44	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	



Certificate of Analysis

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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB6-5

Lab ID: 1900795-21

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 12:52	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 12:52	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 12:52	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	



Certificate of Analysis

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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB6-5

Lab ID: 1900795-21

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 12:52	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 12:52	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 12:52	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>85.5 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 12:52</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.7 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 12:52</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 12:52</i>	
<i>Surrogate: Toluene-d8</i>	<i>96.8 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 12:52</i>	



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17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB7-1

Lab ID: 1900795-22

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9C0001	03/01/2019	03/01/19 09:34	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.9 %</i>	<i>45 - 149</i>		B9C0001	03/01/2019	<i>03/01/19 09:34</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 23:26	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 23:26	
<i>Surrogate: p-Terphenyl</i>	<i>92.5 %</i>	<i>58 - 172</i>		B9C0027	03/01/2019	<i>03/01/19 23:26</i>	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB7-1

Lab ID: 1900795-22

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 10:21	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 10:21	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 10:21	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	



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Client Sample ID LB7-1

Lab ID: 1900795-22

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 10:21	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 10:21	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 10:21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>81.2 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 10:21</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.4 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 10:21</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>97.2 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 10:21</i>	
<i>Surrogate: Toluene-d8</i>	<i>93.0 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 10:21</i>	



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Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB7-5

Lab ID: 1900795-23

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9C0001	03/01/2019	03/01/19 10:11	
Surrogate: 4-Bromofluorobenzene	47.1 %	45 - 149		B9C0001	03/01/2019	03/01/19 10:11	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: HT

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0027	03/01/2019	03/01/19 23:43	
C23-C40	ND	10	1	B9C0027	03/01/2019	03/01/19 23:43	
Surrogate: p-Terphenyl	97.5 %	58 - 172		B9C0027	03/01/2019	03/01/19 23:43	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2,4-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,3,5-Trimethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	



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Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB7-5

Lab ID: 1900795-23

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 11:37	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 11:37	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 11:37	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	



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 17781 Cowan Street
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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB7-5

Lab ID: 1900795-23

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 11:37	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 11:37	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 11:37	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86.9 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 11:37</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.7 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 11:37</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>103 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 11:37</i>	
<i>Surrogate: Toluene-d8</i>	<i>95.6 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 11:37</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB9-1

Lab ID: 1900795-24

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Arsenic	3.2	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Barium	91	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Chromium	17	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Cobalt	5.3	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Copper	12	2.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Lead	2.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Molybdenum	1.7	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Nickel	12	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Selenium	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Vanadium	27	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	
Zinc	92	1.0	1	B9C0017	03/04/2019	03/04/19 13:55	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:18	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(ug/kg)	(ug/kg)				Analyzed	
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 15:05	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	



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Client Sample ID LB9-1

Lab ID: 1900795-24

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:05	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 15:05	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 15:05	
<i>Surrogate: Decachlorobiphenyl</i>	<i>46.1 %</i>	<i>32 - 91</i>		B9C0026	02/28/2019	<i>03/01/19 15:05</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>79.8 %</i>	<i>38 - 93</i>		B9C0026	02/28/2019	<i>03/01/19 15:05</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB9-3

Lab ID: 1900795-25

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Arsenic	3.8	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Barium	86	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Chromium	15	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Cobalt	5.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Copper	10	2.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Lead	5.0	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Molybdenum	1.6	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Nickel	11	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Selenium	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Vanadium	24	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	
Zinc	81	1.0	1	B9C0017	03/04/2019	03/04/19 13:58	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:20	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
alpha-Chlordane	12	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 15:15	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB9-3

Lab ID: 1900795-25

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:15	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
gamma-Chlordane	16	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 15:15	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 15:15	
<i>Surrogate: Decachlorobiphenyl</i>	<i>26.6 %</i>	<i>32 - 91</i>		B9C0026	02/28/2019	<i>03/01/19 15:15</i>	S10
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>34.5 %</i>	<i>38 - 93</i>		B9C0026	02/28/2019	<i>03/01/19 15:15</i>	S10



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Leighton & Associates
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Project Number : 26126 VICTORIA BLVD, 11183.001
 Report To : Robert Lovdahl
 Reported : 03/07/2019

Client Sample ID LB11-1
Lab ID: 1900795-31

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Arsenic	2.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Barium	73	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Chromium	12	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Cobalt	3.4	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Copper	7.8	2.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Lead	2.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Molybdenum	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Nickel	7.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Vanadium	19	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	
Zinc	27	1.0	1	B9C0017	03/04/2019	03/04/19 14:00	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:22	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	1.4	1.0	1	B9C0001	03/01/2019	03/01/19 10:48	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.4 %</i>	<i>45 - 149</i>		B9C0001	03/01/2019	<i>03/01/19 10:48</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	670	10	1	B9C0033	03/01/2019	03/02/19 05:50	
C23-C40	440	10	1	B9C0033	03/01/2019	03/02/19 05:50	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB11-1

Lab ID: 1900795-31

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: p-Terphenyl</i>	98.2 %	58 - 172		B9C0033	03/01/2019	03/02/19 05:50	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
4,4'-DDE [2C]	11	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
4,4'-DDT	15	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Aldrin	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
alpha-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
alpha-Chlordane	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
beta-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Chlordane	ND	8.5	1	B9C0103	03/05/2019	03/06/19 11:28	
delta-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Dieldrin	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Endosulfan I	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Endosulfan II	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Endosulfan sulfate	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Endrin	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Endrin aldehyde	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Endrin ketone	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:28	
gamma-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
gamma-Chlordane	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Heptachlor	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Heptachlor epoxide	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Methoxychlor	ND	5.0	1	B9C0103	03/05/2019	03/06/19 11:28	
Toxaphene	ND	50	1	B9C0103	03/05/2019	03/06/19 11:28	
<i>Surrogate: Decachlorobiphenyl</i>	52.4 %	32 - 91		B9C0103	03/05/2019	03/06/19 11:28	
<i>Surrogate: Tetrachloro-m-xylene</i>	55.5 %	38 - 93		B9C0103	03/05/2019	03/06/19 11:28	



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Client Sample ID LB11-1

Lab ID: 1900795-31

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2,4-Trimethylbenzene	180	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,3,5-Trimethylbenzene	110	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
4-Isopropyltoluene	8.3	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	



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Client Sample ID LB11-1

Lab ID: 1900795-31

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 17:36	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 17:36	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
m,p-Xylene	26	10	1	B9C0002	03/01/2019	03/01/19 17:36	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
n-Butylbenzene	13	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Naphthalene	11	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 17:36	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 17:36	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 17:36	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>83.5 %</i>	<i>60 - 145</i>		B9C0002	03/01/2019	<i>03/01/19 17:36</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.2 %</i>	<i>68 - 121</i>		B9C0002	03/01/2019	<i>03/01/19 17:36</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>98.5 %</i>	<i>65 - 137</i>		B9C0002	03/01/2019	<i>03/01/19 17:36</i>	
<i>Surrogate: Toluene-d8</i>	<i>93.9 %</i>	<i>82 - 119</i>		B9C0002	03/01/2019	<i>03/01/19 17:36</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB11-3

Lab ID: 1900795-32

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
Antimony	ND	4.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Arsenic	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Barium	130	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Beryllium	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Cadmium	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Chromium	25	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Cobalt	7.3	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Copper	17	4.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Lead	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Molybdenum	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Nickel	17	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Selenium	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Silver	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Thallium	ND	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Vanadium	37	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1
Zinc	59	2.0	2	B9C0017	03/04/2019	03/04/19 14:09	D1

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:23	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
C5-C12	ND	1.0	1	B9C0001	03/01/2019	03/01/19 10:29	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>45 - 149</i>		B9C0001	03/01/2019	<i>03/01/19 10:29</i>	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
C13-C22	ND	10	1	B9C0033	03/01/2019	03/02/19 03:52	
C23-C40	ND	10	1	B9C0033	03/01/2019	03/02/19 03:52	



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Lab ID: 1900795-32

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: <i>p</i> -Terphenyl	94.5 %	58 - 172		B9C0033	03/01/2019	03/02/19 03:52	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
4,4'-DDE	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
4,4'-DDT	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Aldrin	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
alpha-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
alpha-Chlordane	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
beta-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Chlordane	ND	8.5	1	B9C0103	03/05/2019	03/06/19 11:39	
delta-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Dieldrin	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Endosulfan I	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Endosulfan II	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Endosulfan sulfate	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Endrin	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Endrin aldehyde	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Endrin ketone	ND	2.0	1	B9C0103	03/05/2019	03/06/19 11:39	
gamma-BHC	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
gamma-Chlordane	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Heptachlor	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Heptachlor epoxide	ND	1.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Methoxychlor	ND	5.0	1	B9C0103	03/05/2019	03/06/19 11:39	
Toxaphene	ND	50	1	B9C0103	03/05/2019	03/06/19 11:39	
Surrogate: Decachlorobiphenyl	32.5 %	32 - 91		B9C0103	03/05/2019	03/06/19 11:39	
Surrogate: Tetrachloro- <i>m</i> -xylene	74.1 %	38 - 93		B9C0103	03/05/2019	03/06/19 11:39	



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Client Sample ID LB11-3

Lab ID: 1900795-32

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,1,1-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,1,2-Trichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,1-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,1-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,1-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2,3-Trichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2,3-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2,4-Trichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2,4-Trimethylbenzene	15	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2-Dibromo-3-chloropropane	ND	10	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2-Dibromoethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2-Dichloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,3,5-Trimethylbenzene	9.8	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,3-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,3-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
1,4-Dichlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
2,2-Dichloropropane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
2-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
4-Chlorotoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
4-Isopropyltoluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Benzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Bromobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Bromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Bromodichloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Bromoform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Bromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Carbon disulfide	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Carbon tetrachloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Chlorobenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Chloroethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Chloroform	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Chloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
cis-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB11-3

Lab ID: 1900795-32

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
cis-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Di-isopropyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Dibromochloromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Dibromomethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Dichlorodifluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Ethyl Acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 13:11	
Ethyl Ether	ND	50	1	B9C0002	03/01/2019	03/01/19 13:11	
Ethyl tert-butyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Ethylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Freon-113	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Hexachlorobutadiene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Isopropylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
m,p-Xylene	ND	10	1	B9C0002	03/01/2019	03/01/19 13:11	
Methylene chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
MTBE	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
n-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
n-Propylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Naphthalene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
o-Xylene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
sec-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Styrene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
tert-Amyl methyl ether	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
tert-Butanol	ND	100	1	B9C0002	03/01/2019	03/01/19 13:11	
tert-Butylbenzene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Tetrachloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Toluene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
trans-1,2-Dichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
trans-1,3-Dichloropropene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Trichloroethene	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Trichlorofluoromethane	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	
Vinyl acetate	ND	50	1	B9C0002	03/01/2019	03/01/19 13:11	
Vinyl chloride	ND	5.0	1	B9C0002	03/01/2019	03/01/19 13:11	

Surrogate: 1,2-Dichloroethane-d4	86.4 %	60 - 145	B9C0002	03/01/2019	03/01/19 13:11
Surrogate: 4-Bromofluorobenzene	89.5 %	68 - 121	B9C0002	03/01/2019	03/01/19 13:11
Surrogate: Dibromofluoromethane	99.6 %	65 - 137	B9C0002	03/01/2019	03/01/19 13:11
Surrogate: Toluene-d8	92.0 %	82 - 119	B9C0002	03/01/2019	03/01/19 13:11



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB12-1

Lab ID: 1900795-34

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Arsenic	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Barium	40	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Chromium	6.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Cobalt	2.6	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Copper	3.5	2.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Lead	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Molybdenum	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Nickel	5.5	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Vanadium	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	
Zinc	14	1.0	1	B9C0017	03/04/2019	03/04/19 14:02	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:25	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 15:26	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB12-1

Lab ID: 1900795-34

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:26	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 15:26	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 15:26	
<i>Surrogate: Decachlorobiphenyl</i>	<i>53.3 %</i>	<i>32 - 91</i>		B9C0026	02/28/2019	<i>03/01/19 15:26</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>74.1 %</i>	<i>38 - 93</i>		B9C0026	02/28/2019	<i>03/01/19 15:26</i>	



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Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB12-3

Lab ID: 1900795-35

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Arsenic	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Barium	31	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Chromium	5.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Cobalt	2.6	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Copper	2.8	2.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Lead	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Molybdenum	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Nickel	5.4	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Vanadium	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	
Zinc	12	1.0	1	B9C0017	03/04/2019	03/04/19 14:03	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(mg/kg)	(mg/kg)				Analyzed	
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:27	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result	PQL	Dilution	Batch	Prepared	Date/Time	Notes
	(ug/kg)	(ug/kg)				Analyzed	
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 15:36	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	



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Leighton & Associates
17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB12-3

Lab ID: 1900795-35

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:36	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 15:36	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 15:36	
<i>Surrogate: Decachlorobiphenyl</i>	58.4 %	32 - 91		B9C0026	02/28/2019	03/01/19 15:36	
<i>Surrogate: Tetrachloro-m-xylene</i>	86.1 %	38 - 93		B9C0026	02/28/2019	03/01/19 15:36	



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Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB13-1

Lab ID: 1900795-36

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Arsenic	4.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Barium	95	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Chromium	17	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Cobalt	5.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Copper	13	2.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Lead	6.8	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Molybdenum	1.8	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Nickel	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Vanadium	24	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	
Zinc	50	1.0	1	B9C0017	03/04/2019	03/04/19 14:04	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:29	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	11	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
4,4'-DDE	15	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 16:38	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB13-1

Lab ID: 1900795-36

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 16:38	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 16:38	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 16:38	
<i>Surrogate: Decachlorobiphenyl</i>	<i>67.2 %</i>	<i>32 - 91</i>		B9C0026	02/28/2019	<i>03/01/19 16:38</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>82.2 %</i>	<i>38 - 93</i>		B9C0026	02/28/2019	<i>03/01/19 16:38</i>	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB13-3

Lab ID: 1900795-37

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Arsenic	2.4	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Barium	85	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Chromium	15	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Cobalt	4.7	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Copper	10	2.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Lead	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Molybdenum	1.1	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Nickel	11	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Vanadium	24	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	
Zinc	35	1.0	1	B9C0017	03/04/2019	03/04/19 14:05	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:31	

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
4,4'-DDE	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
4,4'-DDT	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Aldrin	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
alpha-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
alpha-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
beta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Chlordane	ND	8.5	1	B9C0026	02/28/2019	03/01/19 15:57	
delta-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Dieldrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Client Sample ID LB13-3

Lab ID: 1900795-37

Organochlorine Pesticides by EPA 8081

Analyst: KD

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan I	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Endosulfan II	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Endosulfan sulfate	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Endrin	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Endrin aldehyde	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Endrin ketone	ND	2.0	1	B9C0026	02/28/2019	03/01/19 15:57	
gamma-BHC	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
gamma-Chlordane	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Heptachlor	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Heptachlor epoxide	ND	1.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Methoxychlor	ND	5.0	1	B9C0026	02/28/2019	03/01/19 15:57	
Toxaphene	ND	50	1	B9C0026	02/28/2019	03/01/19 15:57	
<i>Surrogate: Decachlorobiphenyl</i>	<i>43.3 %</i>	<i>32 - 91</i>		B9C0026	02/28/2019	<i>03/01/19 15:57</i>	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>70.0 %</i>	<i>38 - 93</i>		B9C0026	02/28/2019	<i>03/01/19 15:57</i>	



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QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0019 - EPA 3050B_S

Blank (B9C0019-BLK1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

Lead ND 1.0 0.18

LCS (B9C0019-BS1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

Lead 41.2979 1.0 0.18 50.0000 82.6 80 - 120

Duplicate (B9C0019-DUP1)

Source: 1900789-04

Prepared: 3/4/2019 Analyzed: 3/4/2019

Lead 408.384 6.4 1.2 159.567 87.6 20 R

Duplicate (B9C0019-DUP2)

Source: 1900790-01

Prepared: 3/4/2019 Analyzed: 3/4/2019

Lead 1.73419 2.6 0.46 2.22675 24.9 20 R

Matrix Spike (B9C0019-MS1)

Source: 1900795-07

Prepared: 3/4/2019 Analyzed: 3/4/2019

Lead 68.7457 1.0 0.18 124.378 0.804087 54.6 29 - 126

Matrix Spike Dup (B9C0019-MSD1)

Source: 1900795-07

Prepared: 3/4/2019 Analyzed: 3/4/2019

Lead 72.2544 1.0 0.18 125.000 0.804087 57.2 29 - 126 4.98 20



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Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0017 - EPA 3050B_S

Blank (B9C0017-BLK1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

LCS (B9C0017-BS1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	41.9190	2.0	0.51	50.0000	83.8	80 - 120
Arsenic	41.7384	1.0	0.12	50.0000	83.5	80 - 120
Barium	44.9689	1.0	0.12	50.0000	89.9	80 - 120
Beryllium	41.4669	1.0	0.03	50.0000	82.9	80 - 120
Cadmium	42.0209	1.0	0.14	50.0000	84.0	80 - 120
Chromium	44.5137	1.0	0.26	50.0000	89.0	80 - 120
Cobalt	44.3906	1.0	0.07	50.0000	88.8	80 - 120
Copper	45.1173	2.0	0.19	50.0000	90.2	80 - 120
Lead	41.8229	1.0	0.18	50.0000	83.6	80 - 120
Molybdenum	43.1418	1.0	0.12	50.0000	86.3	80 - 120
Nickel	43.6476	1.0	0.18	50.0000	87.3	80 - 120
Selenium	40.2804	1.0	0.40	50.0000	80.6	80 - 120
Silver	42.2263	1.0	0.12	50.0000	84.5	80 - 120
Thallium	44.3369	1.0	0.38	50.0000	88.7	80 - 120
Vanadium	45.3825	1.0	0.06	50.0000	90.8	80 - 120
Zinc	41.2277	1.0	0.15	50.0000	82.5	80 - 120

Matrix Spike (B9C0017-MS1)

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	70.5366	2.0	0.51	125.000	ND	56.4	21 - 102
Arsenic	91.5168	1.0	0.12	125.000	1.99513	71.6	49 - 96
Barium	145.117	1.0	0.12	125.000	48.4845	77.3	26 - 121
Beryllium	86.7650	1.0	0.03	125.000	ND	69.4	51 - 96
Cadmium	83.3954	1.0	0.14	125.000	0.352928	66.4	46 - 93
Chromium	108.701	1.0	0.26	125.000	11.2064	78.0	44 - 107



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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0017 - EPA 3050B_S (continued)

Matrix Spike (B9C0017-MS1) - Continued

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Cobalt	97.7330	1.0	0.07	125.000	5.85258	73.5	49 - 100
Copper	144.094	2.0	0.19	125.000	34.9472	87.3	46 - 115
Lead	108.703	1.0	0.18	125.000	31.4936	61.8	29 - 126
Molybdenum	90.4132	1.0	0.12	125.000	ND	72.3	48 - 99
Nickel	106.656	1.0	0.18	125.000	14.4360	73.8	37 - 108
Selenium	85.6522	1.0	0.40	125.000	0.538734	68.1	48 - 95
Silver	97.2394	1.0	0.12	125.000	ND	77.8	53 - 99
Thallium	76.4176	1.0	0.38	125.000	ND	61.1	38 - 93
Vanadium	128.471	1.0	0.06	125.000	29.8366	78.9	48 - 104
Zinc	148.079	1.0	0.15	125.000	63.2087	67.9	24 - 111

Matrix Spike Dup (B9C0017-MSD1)

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	49.8538	2.0	0.51	124.378	ND	40.1	21 - 102	34.4	20	R
Arsenic	69.8276	1.0	0.12	124.378	1.99513	54.5	49 - 96	26.9	20	R
Barium	128.151	1.0	0.12	124.378	48.4845	64.1	26 - 121	12.4	20	
Beryllium	66.3822	1.0	0.03	124.378	ND	53.4	51 - 96	26.6	20	R
Cadmium	64.1718	1.0	0.14	124.378	0.352928	51.3	46 - 93	26.1	20	R
Chromium	83.8483	1.0	0.26	124.378	11.2064	58.4	44 - 107	25.8	20	R
Cobalt	75.8700	1.0	0.07	124.378	5.85258	56.3	49 - 100	25.2	20	R
Copper	114.137	2.0	0.19	124.378	34.9472	63.7	46 - 115	23.2	20	R
Lead	86.2050	1.0	0.18	124.378	31.4936	44.0	29 - 126	23.1	20	R
Molybdenum	67.2846	1.0	0.12	124.378	ND	54.1	48 - 99	29.3	20	R
Nickel	80.7089	1.0	0.18	124.378	14.4360	53.3	37 - 108	27.7	20	R
Selenium	65.9646	1.0	0.40	124.378	0.538734	52.6	48 - 95	26.0	20	R
Silver	72.7486	1.0	0.12	124.378	ND	58.5	53 - 99	28.8	20	R
Thallium	57.5131	1.0	0.38	124.378	ND	46.2	38 - 93	28.2	20	R
Vanadium	103.739	1.0	0.06	124.378	29.8366	59.4	48 - 104	21.3	20	R
Zinc	137.743	1.0	0.15	124.378	63.2087	59.9	24 - 111	7.23	20	



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Project Number : 26126 VICTORIA BLVD, 11183.001
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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0018 - EPA 7471_S

Post Spike (B9C0018-PS1)

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Mercury	0.007111		5.00000E-3	0.000925	124	85 - 115			M1
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Project Number : 26126 VICTORIA BLVD, 11183.001

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Reported : 03/07/2019

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0638 - GCVOA_W

Blank (B9B0638-BLK1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

C5-C12	ND	0.20	0.05							
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.1158			0.100000		116	70 - 130			
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LCS (B9B0638-BS1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	0.849000	0.20	0.05	1.00000		84.9	70 - 130			
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.1024			0.100000		102	70 - 130			
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Matrix Spike (B9B0638-MS1)

Source: 1900788-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	0.631000	0.20	0.05	1.00000	ND	63.1	70 - 130		20	M2
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.1101			0.100000		110	70 - 130			
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Matrix Spike Dup (B9B0638-MSD1)

Source: 1900788-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	0.631000	0.20	0.05	1.00000	ND	63.1	70 - 130	0.00	20	M2
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<i>Surrogate: 4-Bromofluorobenzene</i>	0.1119			0.100000		112	70 - 130			
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Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0646 - GCVOA_S

Blank (B9B0646-BLK1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

C5-C12	ND	1.0	0.20						
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Surrogate: 4-Bromofluorobenzene 0.2014 0.200000 101 45 - 149

LCS (B9B0646-BS1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	4.65000	1.0	0.20	5.00000		93.0	70 - 130		
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Surrogate: 4-Bromofluorobenzene 0.2049 0.200000 102 45 - 149

Matrix Spike (B9B0646-MS1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	3.56600	1.0	0.20	5.00000	ND	71.3	24 - 129		
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Surrogate: 4-Bromofluorobenzene 0.2034 0.200000 102 45 - 149

Matrix Spike Dup (B9B0646-MSD1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	3.82100	1.0	0.20	5.00000	ND	76.4	24 - 129	6.90	20
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Surrogate: 4-Bromofluorobenzene 0.2132 0.200000 107 45 - 149



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Reported : 03/07/2019

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0001 - GCVOA_S

Blank (B9C0001-BLK1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

C5-C12	ND	1.0	0.20						
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Surrogate: 4-Bromofluorobenzene 0.1975 0.200000 98.8 45 - 149

LCS (B9C0001-BS1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

Gasoline Range Organics	4.43100	1.0	0.20	5.00000		88.6	70 - 130		
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Surrogate: 4-Bromofluorobenzene 0.2053 0.200000 103 45 - 149

Matrix Spike (B9C0001-MS1)

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

Gasoline Range Organics	3.89000	1.0	0.20	5.00000	ND	77.8	24 - 129		
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Surrogate: 4-Bromofluorobenzene 0.1987 0.200000 99.4 45 - 149

Matrix Spike Dup (B9C0001-MSD1)

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

Gasoline Range Organics	4.08400	1.0	0.20	5.00000	ND	81.7	24 - 129	4.87	20
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Surrogate: 4-Bromofluorobenzene 0.2153 0.200000 108 45 - 149



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Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
Batch B9C0025 - GCSEMI_DRO_W										
Blank (B9C0025-BLK1)					Prepared: 3/1/2019 Analyzed: 3/1/2019					
C13-C22	ND	0.20	0.20							
C23-C40	ND	0.20	0.20							
<i>Surrogate: p-Terphenyl</i>	0.07903			8.20000E-2		96.4	32 - 169			
LCS (B9C0025-BS1)					Prepared: 3/1/2019 Analyzed: 3/1/2019					
DRO	1.05144	0.20	0.20	1.00000		105	45 - 161			
<i>Surrogate: p-Terphenyl</i>	0.08180			8.20000E-2		99.8	32 - 169			
LCS Dup (B9C0025-BSD1)					Prepared: 3/1/2019 Analyzed: 3/1/2019					
DRO	0.972120	0.20	0.20	1.00000		97.2	45 - 161	7.84	20	
<i>Surrogate: p-Terphenyl</i>	0.07437			8.20000E-2		90.7	32 - 169			



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Reported : 03/07/2019

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0027 - GCSEMI_DRO_S

Blank (B9C0027-BLK1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

C13-C22	ND	10	10						
C23-C40	ND	10	10						
<i>Surrogate: p-Terphenyl</i>	87.88			80.0000		110	58 - 172		

LCS (B9C0027-BS1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

DRO	1115.32	10	10	1000.00		112	71 - 165		
<i>Surrogate: p-Terphenyl</i>	87.23			80.0000		109	58 - 172		

Matrix Spike (B9C0027-MS1)

Source: 1900795-23

Prepared: 3/1/2019 Analyzed: 3/1/2019

DRO	1046.41	10	10	1000.00	ND	105	61 - 171		
<i>Surrogate: p-Terphenyl</i>	77.52			80.0000		96.9	58 - 172		

Matrix Spike Dup (B9C0027-MSD1)

Source: 1900795-23

Prepared: 3/1/2019 Analyzed: 3/1/2019

DRO	1138.59	10	10	1000.00	ND	114	61 - 171	8.44	20
<i>Surrogate: p-Terphenyl</i>	81.60			80.0000		102	58 - 172		



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Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
Batch B9C0033 - GCSEMI_DRO_S										
Blank (B9C0033-BLK1)					Prepared: 3/1/2019 Analyzed: 3/2/2019					
C13-C22	ND	10	10							
C23-C40	ND	10	10							
<i>Surrogate: p-Terphenyl</i>	81.08			80.0000		101	58 - 172			
LCS (B9C0033-BS1)					Prepared: 3/1/2019 Analyzed: 3/2/2019					
DRO	1053.69	10	10	1000.00		105	71 - 165			
<i>Surrogate: p-Terphenyl</i>	82.61			80.0000		103	58 - 172			
Matrix Spike (B9C0033-MS1)					Source: 1900794-01 Prepared: 3/1/2019 Analyzed: 3/2/2019					
DRO	1073.65	10	10	1000.00	ND	107	61 - 171			
<i>Surrogate: p-Terphenyl</i>	75.64			80.0000		94.6	58 - 172			
Matrix Spike Dup (B9C0033-MSD1)					Source: 1900794-01 Prepared: 3/1/2019 Analyzed: 3/2/2019					
DRO	1093.29	10	10	1000.00	ND	109	61 - 171	1.81	20	
<i>Surrogate: p-Terphenyl</i>	77.69			80.0000		97.1	58 - 172			



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0026 - GCSEMI_PCB/PEST_S

Blank (B9C0026-BLK1)

Prepared: 2/28/2019 Analyzed: 3/1/2019

4,4'-DDD	ND	2.0	0.07							
4,4'-DDD [2C]	ND	2.0	0.07							
4,4'-DDE	ND	2.0	0.11							
4,4'-DDE [2C]	ND	2.0	0.11							
4,4'-DDT	ND	2.0	0.10							
4,4'-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.12							
Aldrin [2C]	ND	1.0	0.12							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.12							
alpha-Chlordane [2C]	ND	1.0	0.12							
beta-BHC	ND	1.0	0.06							
beta-BHC [2C]	ND	1.0	0.06							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.12							
delta-BHC [2C]	ND	1.0	0.12							
Dieldrin	ND	2.0	0.26							
Dieldrin [2C]	ND	2.0	0.26							
Endosulfan I	ND	1.0	0.10							
Endosulfan I [2C]	ND	1.0	0.10							
Endosulfan II	ND	2.0	0.15							
Endosulfan II [2C]	ND	2.0	0.15							
Endosulfan sulfate	ND	2.0	0.16							
Endosulfan Sulfate [2C]	ND	2.0	0.16							
Endrin	ND	2.0	0.14							
Endrin [2C]	ND	2.0	0.14							
Endrin aldehyde	ND	2.0	0.31							
Endrin aldehyde [2C]	ND	2.0	0.31							
Endrin ketone	ND	2.0	0.13							
Endrin ketone [2C]	ND	2.0	0.13							
gamma-BHC	ND	1.0	0.10							
gamma-BHC [2C]	ND	1.0	0.10							
gamma-Chlordane	ND	1.0	0.89							
gamma-Chlordane [2C]	ND	1.0	0.89							
Heptachlor	ND	1.0	0.12							
Heptachlor [2C]	ND	1.0	0.12							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.18							



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0026 - GCSEMI_PCB/PEST_S (continued)

Blank (B9C0026-BLK1) - Continued

Prepared: 2/28/2019 Analyzed: 3/1/2019

Methoxychlor [2C]	ND	5.0	0.18						
Toxaphene	ND	50	4.7						
Toxaphene [2C]	ND	50	4.7						

<i>Surrogate: Decachlorobiphenyl</i>	<i>11.93</i>			<i>16.6667</i>		<i>71.6</i>	<i>32 - 91</i>		
<i>Surrogate: Decachlorobiphenyl [</i>	<i>13.23</i>			<i>16.6667</i>		<i>79.4</i>	<i>32 - 91</i>		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.14</i>			<i>16.6667</i>		<i>78.9</i>	<i>38 - 93</i>		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.49</i>			<i>16.6667</i>		<i>80.9</i>	<i>38 - 93</i>		

LCS (B9C0026-BS1)

Prepared: 2/28/2019 Analyzed: 3/1/2019

4,4'-DDD	11.0328	2.0	0.07	16.6667		66.2	66 - 112		
4,4'-DDD [2C]	12.8990	2.0	0.07	16.6667		77.4	66 - 112		
4,4'-DDE	11.2857	2.0	0.11	16.6667		67.7	62 - 112		
4,4'-DDE [2C]	13.5377	2.0	0.11	16.6667		81.2	62 - 112		
4,4'-DDT	10.1135	2.0	0.10	16.6667		60.7	48 - 90		
4,4'-DDT [2C]	12.0875	2.0	0.10	16.6667		72.5	48 - 90		
Aldrin	11.5342	1.0	0.12	16.6667		69.2	58 - 104		
Aldrin [2C]	12.4578	1.0	0.12	16.6667		74.7	58 - 104		
alpha-BHC	11.6718	1.0	0.11	16.6667		70.0	57 - 105		
alpha-BHC [2C]	12.0980	1.0	0.11	16.6667		72.6	57 - 105		
alpha-Chlordane	11.2953	1.0	0.12	16.6667		67.8	62 - 108		
alpha-Chlordane [2C]	12.7370	1.0	0.12	16.6667		76.4	62 - 108		
beta-BHC	11.4382	1.0	0.06	16.6667		68.6	59 - 106		
beta-BHC [2C]	12.3447	1.0	0.06	16.6667		74.1	59 - 106		
delta-BHC	12.3555	1.0	0.12	16.6667		74.1	63 - 115		
delta-BHC [2C]	12.6503	1.0	0.12	16.6667		75.9	63 - 115		
Dieldrin	10.0920	2.0	0.26	16.6667		60.6	59 - 102		
Dieldrin [2C]	11.4867	2.0	0.26	16.6667		68.9	59 - 102		
Endosulfan I	10.5682	1.0	0.10	16.6667		63.4	61 - 99		
Endosulfan I [2C]	11.4935	1.0	0.10	16.6667		69.0	61 - 99		
Endosulfan II	11.0125	2.0	0.15	16.6667		66.1	65 - 105		
Endosulfan II [2C]	12.5177	2.0	0.15	16.6667		75.1	65 - 105		
Endosulfan sulfate	9.94917	2.0	0.16	16.6667		59.7	59 - 107		
Endosulfan Sulfate [2C]	11.8875	2.0	0.16	16.6667		71.3	59 - 107		
Endrin	11.2007	2.0	0.14	16.6667		67.2	65 - 113		
Endrin [2C]	12.7813	2.0	0.14	16.6667		76.7	65 - 113		
Endrin aldehyde	10.7150	2.0	0.31	16.6667		64.3	61 - 109		
Endrin aldehyde [2C]	12.9085	2.0	0.31	16.6667		77.5	61 - 109		
Endrin ketone	9.88483	2.0	0.13	16.6667		59.3	56 - 97		
Endrin ketone [2C]	10.9412	2.0	0.13	16.6667		65.6	56 - 97		
gamma-BHC	11.2730	1.0	0.10	16.6667		67.6	57 - 101		
gamma-BHC [2C]	11.9692	1.0	0.10	16.6667		71.8	57 - 101		



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0026 - GCSEMI_PCB/PEST_S (continued)

LCS (B9C0026-BS1) - Continued

Prepared: 2/28/2019 Analyzed: 3/1/2019

gamma-Chlordane	10.7633	1.0	0.89	16.6667		64.6	56 - 125			
gamma-Chlordane [2C]	12.5763	1.0	0.89	16.6667		75.5	56 - 125			
Heptachlor	10.9495	1.0	0.12	16.6667		65.7	61 - 105			
Heptachlor [2C]	12.1995	1.0	0.12	16.6667		73.2	61 - 105			
Heptachlor epoxide	10.5158	1.0	0.09	16.6667		63.1	59 - 97			
Heptachlor epoxide [2C]	11.8973	1.0	0.09	16.6667		71.4	59 - 97			
Methoxychlor	11.6543	5.0	0.18	16.6667		69.9	68 - 118			
Methoxychlor [2C]	12.5627	5.0	0.18	16.6667		75.4	68 - 118			
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.02</i>			<i>16.6667</i>		<i>60.1</i>	<i>32 - 91</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>11.04</i>			<i>16.6667</i>		<i>66.2</i>	<i>32 - 91</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.70</i>			<i>16.6667</i>		<i>70.2</i>	<i>38 - 93</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.56</i>			<i>16.6667</i>		<i>75.4</i>	<i>38 - 93</i>			

Matrix Spike (B9C0026-MS1)

Source: 1900809-10

Prepared: 2/28/2019 Analyzed: 3/1/2019

4,4'-DDD	12.6573	2.0	0.07	16.6667	ND	75.9	33 - 116			
4,4'-DDD [2C]	14.2183	2.0	0.07	16.6667	ND	85.3	33 - 116			
4,4'-DDE	33.5188	2.0	0.11	16.6667	15.3585	109	29 - 128			
4,4'-DDE [2C]	36.2000	2.0	0.11	16.6667	17.0480	115	29 - 128			
4,4'-DDT	20.4868	2.0	0.10	16.6667	5.38883	90.6	27 - 109			
4,4'-DDT [2C]	22.7632	2.0	0.10	16.6667	5.97833	101	27 - 109			
Aldrin	12.8342	1.0	0.12	16.6667	ND	77.0	34 - 110			
Aldrin [2C]	13.0542	1.0	0.12	16.6667	ND	78.3	34 - 110			
alpha-BHC	13.5525	1.0	0.11	16.6667	ND	81.3	39 - 107			
alpha-BHC [2C]	13.3327	1.0	0.11	16.6667	ND	80.0	39 - 107			
alpha-Chlordane	13.1218	1.0	0.12	16.6667	0.253667	77.2	37 - 111			
alpha-Chlordane [2C]	14.2752	1.0	0.12	16.6667	0.888500	80.3	37 - 111			
beta-BHC	13.9855	1.0	0.06	16.6667	ND	83.9	33 - 111			
beta-BHC [2C]	13.8905	1.0	0.06	16.6667	ND	83.3	33 - 111			
delta-BHC	14.5675	1.0	0.12	16.6667	ND	87.4	25 - 122			
delta-BHC [2C]	14.4058	1.0	0.12	16.6667	ND	86.4	25 - 122			
Dieldrin	12.0135	2.0	0.26	16.6667	0.295000	70.3	28 - 114			
Dieldrin [2C]	13.0158	2.0	0.26	16.6667	0.321167	76.2	28 - 114			
Endosulfan I	12.2238	1.0	0.10	16.6667	ND	73.3	35 - 107			
Endosulfan I [2C]	12.6092	1.0	0.10	16.6667	ND	75.7	35 - 107			
Endosulfan II	12.7520	2.0	0.15	16.6667	ND	76.5	13 - 122			
Endosulfan II [2C]	13.8840	2.0	0.15	16.6667	ND	83.3	13 - 122			
Endosulfan sulfate	12.0693	2.0	0.16	16.6667	ND	72.4	13 - 120			
Endosulfan Sulfate [2C]	13.8563	2.0	0.16	16.6667	ND	83.1	13 - 120			
Endrin	12.9107	2.0	0.14	16.6667	ND	77.5	31 - 121			
Endrin [2C]	14.2297	2.0	0.14	16.6667	ND	85.4	31 - 121			
Endrin aldehyde	12.9565	2.0	0.31	16.6667	ND	77.7	18 - 129			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0026 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B9C0026-MS1) - Continued

Source: 1900809-10

Prepared: 2/28/2019 Analyzed: 3/1/2019

Endrin aldehyde [2C]	15.1330	2.0	0.31	16.6667	ND	90.8	18 - 129			
Endrin ketone	11.6428	2.0	0.13	16.6667	ND	69.9	14 - 113			
Endrin ketone [2C]	12.6743	2.0	0.13	16.6667	ND	76.0	14 - 113			
gamma-BHC	13.2658	1.0	0.10	16.6667	ND	79.6	34 - 104			
gamma-BHC [2C]	13.3777	1.0	0.10	16.6667	ND	80.3	34 - 104			
gamma-Chlordane	12.5572	1.0	0.89	16.6667	ND	75.3	35 - 121			
gamma-Chlordane [2C]	13.4503	1.0	0.89	16.6667	ND	80.7	35 - 121			
Heptachlor	11.9862	1.0	0.12	16.6667	ND	71.9	35 - 110			
Heptachlor [2C]	12.9923	1.0	0.12	16.6667	ND	78.0	35 - 110			
Heptachlor epoxide	11.8217	1.0	0.09	16.6667	ND	70.9	31 - 106			
Heptachlor epoxide [2C]	13.0708	1.0	0.09	16.6667	ND	78.4	31 - 106			
Methoxychlor	13.9437	5.0	0.18	16.6667	ND	83.7	21 - 128			
Methoxychlor [2C]	14.4787	5.0	0.18	16.6667	ND	86.9	21 - 128			
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.63</i>			<i>16.6667</i>		<i>63.8</i>	<i>32 - 91</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>10.17</i>			<i>16.6667</i>		<i>61.0</i>	<i>32 - 91</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.15</i>			<i>16.6667</i>		<i>66.9</i>	<i>38 - 93</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.43</i>			<i>16.6667</i>		<i>68.6</i>	<i>38 - 93</i>			

Matrix Spike Dup (B9C0026-MSD1)

Source: 1900809-10

Prepared: 2/28/2019 Analyzed: 3/1/2019

4,4'-DDD	12.7312	2.0	0.07	16.6667	ND	76.4	33 - 116	0.582	20	
4,4'-DDD [2C]	14.4910	2.0	0.07	16.6667	ND	86.9	33 - 116	1.90	20	
4,4'-DDE	33.9268	2.0	0.11	16.6667	15.3585	111	29 - 128	1.21	20	
4,4'-DDE [2C]	37.0807	2.0	0.11	16.6667	17.0480	120	29 - 128	2.40	20	
4,4'-DDT	20.6218	2.0	0.10	16.6667	5.38883	91.4	27 - 109	0.657	20	
4,4'-DDT [2C]	23.1273	2.0	0.10	16.6667	5.97833	103	27 - 109	1.59	20	
Aldrin	13.1490	1.0	0.12	16.6667	ND	78.9	34 - 110	2.42	20	
Aldrin [2C]	13.5010	1.0	0.12	16.6667	ND	81.0	34 - 110	3.37	20	
alpha-BHC	13.9660	1.0	0.11	16.6667	ND	83.8	39 - 107	3.01	20	
alpha-BHC [2C]	13.9057	1.0	0.11	16.6667	ND	83.4	39 - 107	4.21	20	
alpha-Chlordane	13.3038	1.0	0.12	16.6667	0.253667	78.3	37 - 111	1.38	20	
alpha-Chlordane [2C]	14.6393	1.0	0.12	16.6667	0.888500	82.5	37 - 111	2.52	20	
beta-BHC	14.3168	1.0	0.06	16.6667	ND	85.9	33 - 111	2.34	20	
beta-BHC [2C]	14.4002	1.0	0.06	16.6667	ND	86.4	33 - 111	3.60	20	
delta-BHC	14.8877	1.0	0.12	16.6667	ND	89.3	25 - 122	2.17	20	
delta-BHC [2C]	14.9172	1.0	0.12	16.6667	ND	89.5	25 - 122	3.49	20	
Dieldrin	12.1012	2.0	0.26	16.6667	0.295000	70.8	28 - 114	0.727	20	
Dieldrin [2C]	13.2348	2.0	0.26	16.6667	0.321167	77.5	28 - 114	1.67	20	
Endosulfan I	12.3368	1.0	0.10	16.6667	ND	74.0	35 - 107	0.920	20	
Endosulfan I [2C]	12.8710	1.0	0.10	16.6667	ND	77.2	35 - 107	2.06	20	
Endosulfan II	12.6397	2.0	0.15	16.6667	ND	75.8	13 - 122	0.885	20	
Endosulfan II [2C]	14.3418	2.0	0.15	16.6667	ND	86.1	13 - 122	3.24	20	



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0026 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B9C0026-MSD1) - Continued

Source: 1900809-10

Prepared: 2/28/2019 Analyzed: 3/1/2019

Endosulfan sulfate	12.1352	2.0	0.16	16.6667	ND	72.8	13 - 120	0.544	20	
Endosulfan Sulfate [2C]	14.1347	2.0	0.16	16.6667	ND	84.8	13 - 120	1.99	20	
Endrin	13.0488	2.0	0.14	16.6667	ND	78.3	31 - 121	1.06	20	
Endrin [2C]	14.5585	2.0	0.14	16.6667	ND	87.4	31 - 121	2.28	20	
Endrin aldehyde	13.0243	2.0	0.31	16.6667	ND	78.1	18 - 129	0.522	20	
Endrin aldehyde [2C]	15.3342	2.0	0.31	16.6667	ND	92.0	18 - 129	1.32	20	
Endrin ketone	11.6718	2.0	0.13	16.6667	ND	70.0	14 - 113	0.249	20	
Endrin ketone [2C]	12.9868	2.0	0.13	16.6667	ND	77.9	14 - 113	2.44	20	
gamma-BHC	13.6462	1.0	0.10	16.6667	ND	81.9	34 - 104	2.83	20	
gamma-BHC [2C]	13.8647	1.0	0.10	16.6667	ND	83.2	34 - 104	3.58	20	
gamma-Chlordane	12.7573	1.0	0.89	16.6667	ND	76.5	35 - 121	1.58	20	
gamma-Chlordane [2C]	13.8150	1.0	0.89	16.6667	ND	82.9	35 - 121	2.67	20	
Heptachlor	12.2822	1.0	0.12	16.6667	ND	73.7	35 - 110	2.44	20	
Heptachlor [2C]	13.4333	1.0	0.12	16.6667	ND	80.6	35 - 110	3.34	20	
Heptachlor epoxide	12.0305	1.0	0.09	16.6667	ND	72.2	31 - 106	1.75	20	
Heptachlor epoxide [2C]	13.4425	1.0	0.09	16.6667	ND	80.7	31 - 106	2.80	20	
Methoxychlor	13.8340	5.0	0.18	16.6667	ND	83.0	21 - 128	0.790	20	
Methoxychlor [2C]	14.6973	5.0	0.18	16.6667	ND	88.2	21 - 128	1.50	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>10.76</i>			<i>16.6667</i>		<i>64.5</i>	<i>32 - 91</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>10.48</i>			<i>16.6667</i>		<i>62.9</i>	<i>32 - 91</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.52</i>			<i>16.6667</i>		<i>69.1</i>	<i>38 - 93</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>11.93</i>			<i>16.6667</i>		<i>71.6</i>	<i>38 - 93</i>			



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0103 - GCSEMI_PCB/PEST_S

Blank (B9C0103-BLK1)

Prepared: 3/5/2019 Analyzed: 3/6/2019

4,4'-DDD	ND	2.0	0.07							
4,4'-DDD [2C]	ND	2.0	0.07							
4,4'-DDE	ND	2.0	0.11							
4,4'-DDE [2C]	ND	2.0	0.11							
4,4'-DDT	ND	2.0	0.10							
4,4'-DDT [2C]	ND	2.0	0.10							
Aldrin	ND	1.0	0.12							
Aldrin [2C]	ND	1.0	0.12							
alpha-BHC	ND	1.0	0.11							
alpha-BHC [2C]	ND	1.0	0.11							
alpha-Chlordane	ND	1.0	0.12							
alpha-Chlordane [2C]	ND	1.0	0.12							
beta-BHC	ND	1.0	0.06							
beta-BHC [2C]	ND	1.0	0.06							
Chlordane	ND	8.5	1.1							
Chlordane [2C]	ND	8.5	1.1							
delta-BHC	ND	1.0	0.12							
delta-BHC [2C]	ND	1.0	0.12							
Dieldrin	ND	2.0	0.26							
Dieldrin [2C]	ND	2.0	0.26							
Endosulfan I	ND	1.0	0.10							
Endosulfan I [2C]	ND	1.0	0.10							
Endosulfan II	ND	2.0	0.15							
Endosulfan II [2C]	ND	2.0	0.15							
Endosulfan sulfate	ND	2.0	0.16							
Endosulfan Sulfate [2C]	ND	2.0	0.16							
Endrin	ND	2.0	0.14							
Endrin [2C]	ND	2.0	0.14							
Endrin aldehyde	ND	2.0	0.31							
Endrin aldehyde [2C]	ND	2.0	0.31							
Endrin ketone	ND	2.0	0.13							
Endrin ketone [2C]	ND	2.0	0.13							
gamma-BHC	ND	1.0	0.10							
gamma-BHC [2C]	ND	1.0	0.10							
gamma-Chlordane	ND	1.0	0.89							
gamma-Chlordane [2C]	ND	1.0	0.89							
Heptachlor	ND	1.0	0.12							
Heptachlor [2C]	ND	1.0	0.12							
Heptachlor epoxide	ND	1.0	0.09							
Heptachlor epoxide [2C]	ND	1.0	0.09							
Methoxychlor	ND	5.0	0.18							



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0103 - GCSEMI_PCB/PEST_S (continued)

Blank (B9C0103-BLK1) - Continued

Prepared: 3/5/2019 Analyzed: 3/6/2019

Methoxychlor [2C]	ND	5.0	0.18							
Toxaphene	ND	50	4.7							
Toxaphene [2C]	ND	50	4.7							

Surrogate: Decachlorobiphenyl	9.354			16.6667		56.1	32 - 91			
Surrogate: Decachlorobiphenyl [9.270			16.6667		55.6	32 - 91			
Surrogate: Tetrachloro-m-xylene	11.16			16.6667		67.0	38 - 93			
Surrogate: Tetrachloro-m-xylene	11.62			16.6667		69.7	38 - 93			

LCS (B9C0103-BS1)

Prepared: 3/5/2019 Analyzed: 3/6/2019

4,4'-DDD	12.7800	2.0	0.07	16.6667		76.7	66 - 112			
4,4'-DDD [2C]	13.8637	2.0	0.07	16.6667		83.2	66 - 112			
4,4'-DDE	12.8507	2.0	0.11	16.6667		77.1	62 - 112			
4,4'-DDE [2C]	14.8182	2.0	0.11	16.6667		88.9	62 - 112			
4,4'-DDT	12.3632	2.0	0.10	16.6667		74.2	48 - 90			
4,4'-DDT [2C]	14.1982	2.0	0.10	16.6667		85.2	48 - 90			
Aldrin	12.8508	1.0	0.12	16.6667		77.1	58 - 104			
Aldrin [2C]	13.4848	1.0	0.12	16.6667		80.9	58 - 104			
alpha-BHC	12.9142	1.0	0.11	16.6667		77.5	57 - 105			
alpha-BHC [2C]	13.1818	1.0	0.11	16.6667		79.1	57 - 105			
alpha-Chlordane	12.8007	1.0	0.12	16.6667		76.8	62 - 108			
alpha-Chlordane [2C]	13.7910	1.0	0.12	16.6667		82.7	62 - 108			
beta-BHC	12.8030	1.0	0.06	16.6667		76.8	59 - 106			
beta-BHC [2C]	13.2435	1.0	0.06	16.6667		79.5	59 - 106			
delta-BHC	14.1827	1.0	0.12	16.6667		85.1	63 - 115			
delta-BHC [2C]	13.8710	1.0	0.12	16.6667		83.2	63 - 115			
Dieldrin	11.5483	2.0	0.26	16.6667		69.3	59 - 102			
Dieldrin [2C]	12.6647	2.0	0.26	16.6667		76.0	59 - 102			
Endosulfan I	12.0077	1.0	0.10	16.6667		72.0	61 - 99			
Endosulfan I [2C]	12.4527	1.0	0.10	16.6667		74.7	61 - 99			
Endosulfan II	12.5173	2.0	0.15	16.6667		75.1	65 - 105			
Endosulfan II [2C]	13.7903	2.0	0.15	16.6667		82.7	65 - 105			
Endosulfan sulfate	12.8125	2.0	0.16	16.6667		76.9	59 - 107			
Endosulfan Sulfate [2C]	13.7587	2.0	0.16	16.6667		82.6	59 - 107			
Endrin	13.2035	2.0	0.14	16.6667		79.2	65 - 113			
Endrin [2C]	14.2947	2.0	0.14	16.6667		85.8	65 - 113			
Endrin aldehyde	13.1098	2.0	0.31	16.6667		78.7	61 - 109			
Endrin aldehyde [2C]	13.9605	2.0	0.31	16.6667		83.8	61 - 109			
Endrin ketone	12.6723	2.0	0.13	16.6667		76.0	56 - 97			
Endrin ketone [2C]	12.4917	2.0	0.13	16.6667		75.0	56 - 97			
gamma-BHC	12.8338	1.0	0.10	16.6667		77.0	57 - 101			
gamma-BHC [2C]	12.8960	1.0	0.10	16.6667		77.4	57 - 101			



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Report To : Robert Lovdahl

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0103 - GCSEMI_PCB/PEST_S (continued)

LCS (B9C0103-BS1) - Continued

Prepared: 3/5/2019 Analyzed: 3/6/2019

gamma-Chlordane	24.8077	1.0	0.89	16.6667		149	56 - 125			L13
gamma-Chlordane [2C]	13.2203	1.0	0.89	16.6667		79.3	56 - 125			
Heptachlor	12.2192	1.0	0.12	16.6667		73.3	61 - 105			
Heptachlor [2C]	13.2910	1.0	0.12	16.6667		79.7	61 - 105			
Heptachlor epoxide	11.8887	1.0	0.09	16.6667		71.3	59 - 97			
Heptachlor epoxide [2C]	12.9260	1.0	0.09	16.6667		77.6	59 - 97			
Methoxychlor	16.4718	5.0	0.18	16.6667		98.8	68 - 118			
Methoxychlor [2C]	15.2437	5.0	0.18	16.6667		91.5	68 - 118			
<i>Surrogate: Decachlorobiphenyl</i>	<i>11.40</i>			<i>16.6667</i>		<i>68.4</i>	<i>32 - 91</i>			
<i>Surrogate: Decachlorobiphenyl [</i>	<i>10.22</i>			<i>16.6667</i>		<i>61.3</i>	<i>32 - 91</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>12.87</i>			<i>16.6667</i>		<i>77.2</i>	<i>38 - 93</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>13.55</i>			<i>16.6667</i>		<i>81.3</i>	<i>38 - 93</i>			

Matrix Spike (B9C0103-MS1)

Source: 1900839-26

Prepared: 3/5/2019 Analyzed: 3/6/2019

4,4'-DDD	10.4053	2.0	0.07	16.6667	ND	62.4	33 - 116			
4,4'-DDD [2C]	11.5373	2.0	0.07	16.6667	ND	69.2	33 - 116			
4,4'-DDE	10.6148	2.0	0.11	16.6667	ND	63.7	29 - 128			
4,4'-DDE [2C]	12.1997	2.0	0.11	16.6667	ND	73.2	29 - 128			
4,4'-DDT	10.0542	2.0	0.10	16.6667	ND	60.3	27 - 109			
4,4'-DDT [2C]	11.6882	2.0	0.10	16.6667	ND	70.1	27 - 109			
Aldrin	10.5105	1.0	0.12	16.6667	ND	63.1	34 - 110			
Aldrin [2C]	10.9703	1.0	0.12	16.6667	ND	65.8	34 - 110			
alpha-BHC	10.9070	1.0	0.11	16.6667	ND	65.4	39 - 107			
alpha-BHC [2C]	10.9162	1.0	0.11	16.6667	ND	65.5	39 - 107			
alpha-Chlordane	10.5260	1.0	0.12	16.6667	ND	63.2	37 - 111			
alpha-Chlordane [2C]	11.3833	1.0	0.12	16.6667	ND	68.3	37 - 111			
beta-BHC	10.8565	1.0	0.06	16.6667	ND	65.1	33 - 111			
beta-BHC [2C]	11.1377	1.0	0.06	16.6667	ND	66.8	33 - 111			
delta-BHC	11.6253	1.0	0.12	16.6667	ND	69.8	25 - 122			
delta-BHC [2C]	11.5317	1.0	0.12	16.6667	ND	69.2	25 - 122			
Dieldrin	9.57033	2.0	0.26	16.6667	ND	57.4	28 - 114			
Dieldrin [2C]	10.4893	2.0	0.26	16.6667	ND	62.9	28 - 114			
Endosulfan I	9.98533	1.0	0.10	16.6667	ND	59.9	35 - 107			
Endosulfan I [2C]	10.2987	1.0	0.10	16.6667	ND	61.8	35 - 107			
Endosulfan II	10.2472	2.0	0.15	16.6667	ND	61.5	13 - 122			
Endosulfan II [2C]	11.4682	2.0	0.15	16.6667	ND	68.8	13 - 122			
Endosulfan sulfate	9.70800	2.0	0.16	16.6667	ND	58.2	13 - 120			
Endosulfan Sulfate [2C]	11.0722	2.0	0.16	16.6667	ND	66.4	13 - 120			
Endrin	10.8182	2.0	0.14	16.6667	ND	64.9	31 - 121			
Endrin [2C]	11.7723	2.0	0.14	16.6667	ND	70.6	31 - 121			
Endrin aldehyde	10.4958	2.0	0.31	16.6667	ND	63.0	18 - 129			



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0103 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike (B9C0103-MS1) - Continued

Source: 1900839-26

Prepared: 3/5/2019 Analyzed: 3/6/2019

Endrin aldehyde [2C]	11.8545	2.0	0.31	16.6667	ND	71.1	18 - 129			
Endrin ketone	9.48667	2.0	0.13	16.6667	ND	56.9	14 - 113			
Endrin ketone [2C]	9.89333	2.0	0.13	16.6667	ND	59.4	14 - 113			
gamma-BHC	10.5787	1.0	0.10	16.6667	ND	63.5	34 - 104			
gamma-BHC [2C]	10.8562	1.0	0.10	16.6667	ND	65.1	34 - 104			
gamma-Chlordane	10.4195	1.0	0.89	16.6667	ND	62.5	35 - 121			
gamma-Chlordane [2C]	10.7980	1.0	0.89	16.6667	ND	64.8	35 - 121			
Heptachlor	10.1218	1.0	0.12	16.6667	ND	60.7	35 - 110			
Heptachlor [2C]	10.9525	1.0	0.12	16.6667	ND	65.7	35 - 110			
Heptachlor epoxide	9.81900	1.0	0.09	16.6667	ND	58.9	31 - 106			
Heptachlor epoxide [2C]	10.7700	1.0	0.09	16.6667	ND	64.6	31 - 106			
Methoxychlor	11.0727	5.0	0.18	16.6667	ND	66.4	21 - 128			
Methoxychlor [2C]	11.9977	5.0	0.18	16.6667	ND	72.0	21 - 128			

Surrogate: Decachlorobiphenyl	9.678			16.6667		58.1	32 - 91			
Surrogate: Decachlorobiphenyl [8.703			16.6667		52.2	32 - 91			
Surrogate: Tetrachloro-m-xylene	10.40			16.6667		62.4	38 - 93			
Surrogate: Tetrachloro-m-xylene	10.94			16.6667		65.6	38 - 93			

Matrix Spike Dup (B9C0103-MSD1)

Source: 1900839-26

Prepared: 3/5/2019 Analyzed: 3/6/2019

4,4'-DDD	10.1595	2.0	0.07	16.6667	ND	61.0	33 - 116	2.39	20	
4,4'-DDD [2C]	11.4163	2.0	0.07	16.6667	ND	68.5	33 - 116	1.05	20	
4,4'-DDE	10.3875	2.0	0.11	16.6667	ND	62.3	29 - 128	2.16	20	
4,4'-DDE [2C]	12.0030	2.0	0.11	16.6667	ND	72.0	29 - 128	1.63	20	
4,4'-DDT	9.84217	2.0	0.10	16.6667	ND	59.1	27 - 109	2.13	20	
4,4'-DDT [2C]	11.5347	2.0	0.10	16.6667	ND	69.2	27 - 109	1.32	20	
Aldrin	10.2585	1.0	0.12	16.6667	ND	61.6	34 - 110	2.43	20	
Aldrin [2C]	10.8708	1.0	0.12	16.6667	ND	65.2	34 - 110	0.911	20	
alpha-BHC	10.6512	1.0	0.11	16.6667	ND	63.9	39 - 107	2.37	20	
alpha-BHC [2C]	10.7870	1.0	0.11	16.6667	ND	64.7	39 - 107	1.19	20	
alpha-Chlordane	10.3125	1.0	0.12	16.6667	ND	61.9	37 - 111	2.05	20	
alpha-Chlordane [2C]	11.1785	1.0	0.12	16.6667	ND	67.1	37 - 111	1.82	20	
beta-BHC	10.6482	1.0	0.06	16.6667	ND	63.9	33 - 111	1.94	20	
beta-BHC [2C]	11.0500	1.0	0.06	16.6667	ND	66.3	33 - 111	0.790	20	
delta-BHC	11.0067	1.0	0.12	16.6667	ND	66.0	25 - 122	5.47	20	
delta-BHC [2C]	11.3637	1.0	0.12	16.6667	ND	68.2	25 - 122	1.47	20	
Dieldrin	9.39833	2.0	0.26	16.6667	ND	56.4	28 - 114	1.81	20	
Dieldrin [2C]	10.0538	2.0	0.26	16.6667	ND	60.3	28 - 114	4.24	20	
Endosulfan I	9.57633	1.0	0.10	16.6667	ND	57.5	35 - 107	4.18	20	
Endosulfan I [2C]	10.1135	1.0	0.10	16.6667	ND	60.7	35 - 107	1.81	20	
Endosulfan II	10.0753	2.0	0.15	16.6667	ND	60.5	13 - 122	1.69	20	
Endosulfan II [2C]	11.3800	2.0	0.15	16.6667	ND	68.3	13 - 122	0.772	20	



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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0103 - GCSEMI_PCB/PEST_S (continued)

Matrix Spike Dup (B9C0103-MSD1) - Continued

Source: 1900839-26

Prepared: 3/5/2019 Analyzed: 3/6/2019

Endosulfan sulfate	9.65033	2.0	0.16	16.6667	ND	57.9	13 - 120	0.596	20	
Endosulfan Sulfate [2C]	10.9762	2.0	0.16	16.6667	ND	65.9	13 - 120	0.871	20	
Endrin	10.5897	2.0	0.14	16.6667	ND	63.5	31 - 121	2.13	20	
Endrin [2C]	11.6477	2.0	0.14	16.6667	ND	69.9	31 - 121	1.06	20	
Endrin aldehyde	10.1003	2.0	0.31	16.6667	ND	60.6	18 - 129	3.84	20	
Endrin aldehyde [2C]	11.8182	2.0	0.31	16.6667	ND	70.9	18 - 129	0.307	20	
Endrin ketone	9.22933	2.0	0.13	16.6667	ND	55.4	14 - 113	2.75	20	
Endrin ketone [2C]	9.98650	2.0	0.13	16.6667	ND	59.9	14 - 113	0.937	20	
gamma-BHC	10.3590	1.0	0.10	16.6667	ND	62.2	34 - 104	2.10	20	
gamma-BHC [2C]	10.7332	1.0	0.10	16.6667	ND	64.4	34 - 104	1.14	20	
gamma-Chlordane	9.99433	1.0	0.89	16.6667	ND	60.0	35 - 121	4.17	20	
gamma-Chlordane [2C]	10.6312	1.0	0.89	16.6667	ND	63.8	35 - 121	1.56	20	
Heptachlor	9.91650	1.0	0.12	16.6667	ND	59.5	35 - 110	2.05	20	
Heptachlor [2C]	10.7885	1.0	0.12	16.6667	ND	64.7	35 - 110	1.51	20	
Heptachlor epoxide	9.60950	1.0	0.09	16.6667	ND	57.7	31 - 106	2.16	20	
Heptachlor epoxide [2C]	10.6097	1.0	0.09	16.6667	ND	63.7	31 - 106	1.50	20	
Methoxychlor	11.2858	5.0	0.18	16.6667	ND	67.7	21 - 128	1.91	20	
Methoxychlor [2C]	11.9095	5.0	0.18	16.6667	ND	71.5	21 - 128	0.738	20	
<i>Surrogate: Decachlorobiphenyl</i>	9.758			16.6667		58.5	32 - 91			
<i>Surrogate: Decachlorobiphenyl [</i>	8.622			16.6667		51.7	32 - 91			
<i>Surrogate: Tetrachloro-m-xylene</i>	9.978			16.6667		59.9	38 - 93			
<i>Surrogate: Tetrachloro-m-xylene</i>	10.83			16.6667		65.0	38 - 93			



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Reported : 03/07/2019

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0074 - GCSEMI_PCB/PEST_S

Blank (B9C0074-BLK2)

Prepared: 3/4/2019 Analyzed: 3/5/2019

Aroclor 1016	ND	16	4.6
Aroclor 1221	ND	16	4.6
Aroclor 1232	ND	16	4.6
Aroclor 1242	ND	16	4.6
Aroclor 1248	ND	16	4.6
Aroclor 1254	ND	16	4.6
Aroclor 1260	ND	16	4.6
Aroclor 1262	ND	16	4.6
Aroclor 1268	ND	16	4.6

<i>Surrogate: Decachlorobiphenyl</i>	13.70		16.6667	82.2	38 - 117
<i>Surrogate: Tetrachloro-m-xylene</i>	14.28		16.6667	85.7	39 - 121

LCS (B9C0074-BS2)

Prepared: 3/4/2019 Analyzed: 3/5/2019

Aroclor 1016	131.614	16	4.6	166.667	79.0	59 - 96
Aroclor 1260	133.483	16	4.6	166.667	80.1	64 - 108
<i>Surrogate: Decachlorobiphenyl</i>	13.30		16.6667	79.8	38 - 117	
<i>Surrogate: Tetrachloro-m-xylene</i>	14.41		16.6667	86.5	39 - 121	

Matrix Spike (B9C0074-MS2)

Source: 1900795-20

Prepared: 3/4/2019 Analyzed: 3/5/2019

Aroclor 1016	111.973	16	4.6	166.667	ND	67.2	22 - 130
Aroclor 1260	116.030	16	4.6	166.667	ND	69.6	39 - 121
<i>Surrogate: Decachlorobiphenyl</i>	12.73		16.6667	76.4	38 - 117		
<i>Surrogate: Tetrachloro-m-xylene</i>	12.82		16.6667	76.9	39 - 121		

Matrix Spike Dup (B9C0074-MSD2)

Source: 1900795-20

Prepared: 3/4/2019 Analyzed: 3/5/2019

Aroclor 1016	114.822	16	4.6	166.667	ND	68.9	22 - 130	2.51	20
Aroclor 1260	114.692	16	4.6	166.667	ND	68.8	39 - 121	1.16	20
<i>Surrogate: Decachlorobiphenyl</i>	12.93		16.6667	77.6	38 - 117				
<i>Surrogate: Tetrachloro-m-xylene</i>	12.74		16.6667	76.4	39 - 121				



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
 Report To : Robert Lovdahl
 Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S

Blank (B9B0639-BLK1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.96
1,1,1-Trichloroethane	ND	5.0	1.1
1,1,2,2-Tetrachloroethane	ND	5.0	0.62
1,1,2-Trichloroethane	ND	5.0	1.6
1,1-Dichloroethane	ND	5.0	0.81
1,1-Dichloroethene	ND	5.0	2.6
1,1-Dichloropropene	ND	5.0	2.3
1,2,3-Trichloropropane	ND	5.0	0.54
1,2,3-Trichlorobenzene	ND	5.0	1.2
1,2,4-Trichlorobenzene	ND	5.0	1.1
1,2,4-Trimethylbenzene	ND	5.0	1.5
1,2-Dibromo-3-chloropropane	ND	10	1.6
1,2-Dibromoethane	ND	5.0	3.2
1,2-Dichlorobenzene	ND	5.0	1.1
1,2-Dichloroethane	ND	5.0	1.2
1,2-Dichloropropane	ND	5.0	1.8
1,3,5-Trimethylbenzene	ND	5.0	1.7
1,3-Dichlorobenzene	ND	5.0	1.3
1,3-Dichloropropane	ND	5.0	1.1
1,4-Dichlorobenzene	ND	5.0	1.2
2,2-Dichloropropane	ND	5.0	1.2
2-Chlorotoluene	ND	5.0	1.6
4-Chlorotoluene	ND	5.0	1.5
4-Isopropyltoluene	ND	5.0	2.3
Benzene	ND	5.0	0.64
Bromobenzene	ND	5.0	1.1
Bromochloromethane	ND	5.0	0.64
Bromodichloromethane	ND	5.0	1.2
Bromoform	ND	5.0	0.80
Bromomethane	ND	5.0	2.5
Carbon disulfide	ND	5.0	3.5
Carbon tetrachloride	ND	5.0	1.2
Chlorobenzene	ND	5.0	1.0
Chloroethane	ND	5.0	1.1
Chloroform	ND	5.0	0.82
Chloromethane	ND	5.0	1.4
cis-1,2-Dichloroethene	ND	5.0	0.67
cis-1,3-Dichloropropene	ND	5.0	1.9
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	1.0
Dibromomethane	ND	5.0	1.6



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Blank (B9B0639-BLK1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

Dichlorodifluoromethane	ND	5.0	2.2
Ethyl Acetate	ND	50	8.1
Ethyl Ether	ND	50	6.1
Ethyl tert-butyl ether	ND	5.0	0.67
Ethylbenzene	ND	5.0	0.91
Freon-113	ND	5.0	2.8
Hexachlorobutadiene	ND	5.0	2.5
Isopropylbenzene	ND	5.0	1.8
m,p-Xylene	ND	10	1.5
Methylene chloride	ND	5.0	2.3
MTBE	ND	5.0	0.63
n-Butylbenzene	ND	5.0	2.4
n-Propylbenzene	ND	5.0	2.2
Naphthalene	ND	5.0	0.97
o-Xylene	ND	5.0	0.87
sec-Butylbenzene	ND	5.0	2.3
Styrene	ND	5.0	1.5
tert-Amyl methyl ether	ND	5.0	0.59
tert-Butanol	ND	100	19
tert-Butylbenzene	ND	5.0	2.0
Tetrachloroethene	ND	5.0	1.6
Toluene	ND	5.0	0.94
trans-1,2-Dichloroethene	ND	5.0	0.59
trans-1,3-Dichloropropene	ND	5.0	2.1
Trichloroethene	ND	5.0	3.1
Trichlorofluoromethane	ND	5.0	1.4
Vinyl acetate	ND	50	9.8
Vinyl chloride	ND	5.0	1.7

<i>Surrogate: 1,2-Dichloroethane-d4</i>	38.62		50.0000	77.2	60 - 145
<i>Surrogate: 4-Bromofluorobenzene</i>	43.54		50.0000	87.1	68 - 121
<i>Surrogate: Dibromofluoromethane</i>	47.40		50.0000	94.8	65 - 137
<i>Surrogate: Toluene-d8</i>	46.40		50.0000	92.8	82 - 119

LCS (B9B0639-BS1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	46.5000	5.0	0.96	50.0000	93.0	82 - 114
1,1,1-Trichloroethane	39.1100	5.0	1.1	50.0000	78.2	70 - 121
1,1,2,2-Tetrachloroethane	42.1800	5.0	0.62	50.0000	84.4	65 - 116
1,1,2-Trichloroethane	44.1300	5.0	1.6	50.0000	88.3	73 - 114
1,1-Dichloroethane	39.1900	5.0	0.81	50.0000	78.4	69 - 117
1,1-Dichloroethene	41.4700	5.0	2.6	50.0000	82.9	57 - 128
1,1-Dichloropropene	44.4400	5.0	2.3	50.0000	88.9	76 - 122



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS (B9B0639-BS1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,2,3-Trichloropropane	41.6000	5.0	0.54	50.0000		83.2	65 - 116			
1,2,3-Trichlorobenzene	48.4400	5.0	1.2	50.0000		96.9	72 - 130			
1,2,4-Trichlorobenzene	47.6200	5.0	1.1	50.0000		95.2	74 - 141			
1,2,4-Trimethylbenzene	41.5300	5.0	1.5	50.0000		83.1	81 - 126			
1,2-Dibromo-3-chloropropane	44.9700	10	1.6	50.0000		89.9	63 - 126			
1,2-Dibromoethane	44.0100	5.0	3.2	50.0000		88.0	75 - 113			
1,2-Dichlorobenzene	47.3900	5.0	1.1	50.0000		94.8	83 - 114			
1,2-Dichloroethane	39.6200	5.0	1.2	50.0000		79.2	73 - 115			
1,2-Dichloropropane	40.4800	5.0	1.8	50.0000		81.0	75 - 117			
1,3,5-Trimethylbenzene	41.5600	5.0	1.7	50.0000		83.1	80 - 126			
1,3-Dichlorobenzene	45.8200	5.0	1.3	50.0000		91.6	83 - 113			
1,3-Dichloropropane	43.9000	5.0	1.1	50.0000		87.8	79 - 108			
1,4-Dichlorobenzene	45.7800	5.0	1.2	50.0000		91.6	82 - 114			
2,2-Dichloropropane	43.0900	5.0	1.2	50.0000		86.2	66 - 135			
2-Chlorotoluene	41.4300	5.0	1.6	50.0000		82.9	79 - 117			
4-Chlorotoluene	41.2100	5.0	1.5	50.0000		82.4	77 - 118			
4-Isopropyltoluene	42.8700	5.0	2.3	50.0000		85.7	81 - 129			
Benzene	82.8300	5.0	0.64	100.000		82.8	78 - 112			
Bromobenzene	44.5200	5.0	1.1	50.0000		89.0	79 - 111			
Bromochloromethane	43.8400	5.0	0.64	50.0000		87.7	69 - 116			
Bromodichloromethane	40.4200	5.0	1.2	50.0000		80.8	79 - 111			
Bromoform	49.4900	5.0	0.80	50.0000		99.0	75 - 119			
Bromomethane	44.3200	5.0	2.5	50.0000		88.6	31 - 168			
Carbon disulfide	39.0100	5.0	3.5	50.0000		78.0	54 - 141			
Carbon tetrachloride	41.7200	5.0	1.2	50.0000		83.4	74 - 125			
Chlorobenzene	46.3800	5.0	1.0	50.0000		92.8	83 - 112			
Chloroethane	38.0600	5.0	1.1	50.0000		76.1	53 - 144			
Chloroform	39.9500	5.0	0.82	50.0000		79.9	69 - 118			
Chloromethane	38.2100	5.0	1.4	50.0000		76.4	46 - 137			
cis-1,2-Dichloroethene	41.7100	5.0	0.67	50.0000		83.4	68 - 118			
cis-1,3-Dichloropropene	45.8400	5.0	1.9	50.0000		91.7	77 - 121			
Di-isopropyl ether	38.7200	5.0	0.55	50.0000		77.4	60 - 129			
Dibromochloromethane	46.6000	5.0	1.0	50.0000		93.2	80 - 111			
Dibromomethane	43.0100	5.0	1.6	50.0000		86.0	78 - 108			
Dichlorodifluoromethane	47.9200	5.0	2.2	50.0000		95.8	41 - 146			
Ethyl Acetate	393.610	50	8.1	500.000		78.7	52 - 130			
Ethyl Ether	413.920	50	6.1	500.000		82.8	54 - 138			
Ethyl tert-butyl ether	33.8100	5.0	0.67	50.0000		67.6	52 - 141			
Ethylbenzene	86.4700	5.0	0.91	100.000		86.5	82 - 121			
Freon-113	42.1500	5.0	2.8	50.0000		84.3	59 - 139			
Hexachlorobutadiene	45.4800	5.0	2.5	50.0000		91.0	69 - 143			
Isopropylbenzene	44.9600	5.0	1.8	50.0000		89.9	78 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS (B9B0639-BS1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

m,p-Xylene	91.1700	10	1.5	100.000		91.2	85 - 118		
Methylene chloride	31.7400	5.0	2.3	50.0000		63.5	44 - 146		
MTBE	36.6800	5.0	0.63	50.0000		73.4	61 - 122		
n-Butylbenzene	41.5000	5.0	2.4	50.0000		83.0	78 - 135		
n-Propylbenzene	40.8200	5.0	2.2	50.0000		81.6	78 - 127		
Naphthalene	44.4200	5.0	0.97	50.0000		88.8	68 - 129		
o-Xylene	89.9200	5.0	0.87	100.000		89.9	86 - 118		
sec-Butylbenzene	42.9700	5.0	2.3	50.0000		85.9	80 - 127		
Styrene	46.8700	5.0	1.5	50.0000		93.7	85 - 117		
tert-Amyl methyl ether	31.9300	5.0	0.59	50.0000		63.9	48 - 135		
tert-Butanol	193.880	100	19	250.000		77.6	0 - 175		
tert-Butylbenzene	42.7000	5.0	2.0	50.0000		85.4	81 - 122		
Tetrachloroethene	48.3900	5.0	1.6	50.0000		96.8	77 - 122		
Toluene	85.8500	5.0	0.94	100.000		85.8	79 - 114		
trans-1,2-Dichloroethene	39.9300	5.0	0.59	50.0000		79.9	66 - 125		
trans-1,3-Dichloropropene	43.6500	5.0	2.1	50.0000		87.3	76 - 120		
Trichloroethene	44.7200	5.0	3.1	50.0000		89.4	79 - 117		
Trichlorofluoromethane	37.3600	5.0	1.4	50.0000		74.7	55 - 133		
Vinyl acetate	341.740	50	9.8	500.000		68.3	52 - 141		
Vinyl chloride	38.7100	5.0	1.7	50.0000		77.4	58 - 132		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>39.61</i>			<i>50.0000</i>		<i>79.2</i>	<i>60 - 145</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.60</i>			<i>50.0000</i>		<i>95.2</i>	<i>68 - 121</i>		
<i>Surrogate: Dibromofluoromethan</i>	<i>46.98</i>			<i>50.0000</i>		<i>94.0</i>	<i>65 - 137</i>		
<i>Surrogate: Toluene-d8</i>	<i>45.97</i>			<i>50.0000</i>		<i>91.9</i>	<i>82 - 119</i>		

LCS Dup (B9B0639-BS1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	46.3100	5.0	0.96	50.0000		92.6	82 - 114	0.409	20
1,1,1-Trichloroethane	40.1500	5.0	1.1	50.0000		80.3	70 - 121	2.62	20
1,1,2,2-Tetrachloroethane	41.6000	5.0	0.62	50.0000		83.2	65 - 116	1.38	20
1,1,2-Trichloroethane	42.9500	5.0	1.6	50.0000		85.9	73 - 114	2.71	20
1,1-Dichloroethane	38.5200	5.0	0.81	50.0000		77.0	69 - 117	1.72	20
1,1-Dichloroethene	42.9200	5.0	2.6	50.0000		85.8	57 - 128	3.44	20
1,1-Dichloropropene	46.2900	5.0	2.3	50.0000		92.6	76 - 122	4.08	20
1,2,3-Trichloropropane	41.5400	5.0	0.54	50.0000		83.1	65 - 116	0.144	20
1,2,3-Trichlorobenzene	48.1600	5.0	1.2	50.0000		96.3	72 - 130	0.580	20
1,2,4-Trichlorobenzene	48.0500	5.0	1.1	50.0000		96.1	74 - 141	0.899	20
1,2,4-Trimethylbenzene	42.4200	5.0	1.5	50.0000		84.8	81 - 126	2.12	20
1,2-Dibromo-3-chloropropane	43.8800	10	1.6	50.0000		87.8	63 - 126	2.45	20
1,2-Dibromoethane	42.8200	5.0	3.2	50.0000		85.6	75 - 113	2.74	20
1,2-Dichlorobenzene	46.6300	5.0	1.1	50.0000		93.3	83 - 114	1.62	20
1,2-Dichloroethane	39.4700	5.0	1.2	50.0000		78.9	73 - 115	0.379	20



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS Dup (B9B0639-BSD1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,2-Dichloropropane	40.1600	5.0	1.8	50.0000		80.3	75 - 117	0.794	20	
1,3,5-Trimethylbenzene	43.2300	5.0	1.7	50.0000		86.5	80 - 126	3.94	20	
1,3-Dichlorobenzene	46.1900	5.0	1.3	50.0000		92.4	83 - 113	0.804	20	
1,3-Dichloropropane	42.3800	5.0	1.1	50.0000		84.8	79 - 108	3.52	20	
1,4-Dichlorobenzene	45.7600	5.0	1.2	50.0000		91.5	82 - 114	0.0437	20	
2,2-Dichloropropane	43.8600	5.0	1.2	50.0000		87.7	66 - 135	1.77	20	
2-Chlorotoluene	42.4900	5.0	1.6	50.0000		85.0	79 - 117	2.53	20	
4-Chlorotoluene	41.6500	5.0	1.5	50.0000		83.3	77 - 118	1.06	20	
4-Isopropyltoluene	45.3000	5.0	2.3	50.0000		90.6	81 - 129	5.51	20	
Benzene	83.5400	5.0	0.64	100.000		83.5	78 - 112	0.854	20	
Bromobenzene	45.5600	5.0	1.1	50.0000		91.1	79 - 111	2.31	20	
Bromochloromethane	42.1200	5.0	0.64	50.0000		84.2	69 - 116	4.00	20	
Bromodichloromethane	40.5600	5.0	1.2	50.0000		81.1	79 - 111	0.346	20	
Bromoform	47.4700	5.0	0.80	50.0000		94.9	75 - 119	4.17	20	
Bromomethane	44.7000	5.0	2.5	50.0000		89.4	31 - 168	0.854	20	
Carbon disulfide	39.4800	5.0	3.5	50.0000		79.0	54 - 141	1.20	20	
Carbon tetrachloride	43.9300	5.0	1.2	50.0000		87.9	74 - 125	5.16	20	
Chlorobenzene	46.1600	5.0	1.0	50.0000		92.3	83 - 112	0.475	20	
Chloroethane	39.5100	5.0	1.1	50.0000		79.0	53 - 144	3.74	20	
Chloroform	39.5900	5.0	0.82	50.0000		79.2	69 - 118	0.905	20	
Chloromethane	37.7900	5.0	1.4	50.0000		75.6	46 - 137	1.11	20	
cis-1,2-Dichloroethene	41.0500	5.0	0.67	50.0000		82.1	68 - 118	1.59	20	
cis-1,3-Dichloropropene	45.0100	5.0	1.9	50.0000		90.0	77 - 121	1.83	20	
Di-isopropyl ether	37.4700	5.0	0.55	50.0000		74.9	60 - 129	3.28	20	
Dibromochloromethane	45.5000	5.0	1.0	50.0000		91.0	80 - 111	2.39	20	
Dibromomethane	41.9700	5.0	1.6	50.0000		83.9	78 - 108	2.45	20	
Dichlorodifluoromethane	50.7200	5.0	2.2	50.0000		101	41 - 146	5.68	20	
Ethyl Acetate	367.900	50	8.1	500.000		73.6	52 - 130	6.75	20	
Ethyl Ether	376.950	50	6.1	500.000		75.4	54 - 138	9.35	20	
Ethyl tert-butyl ether	33.3700	5.0	0.67	50.0000		66.7	52 - 141	1.31	20	
Ethylbenzene	87.1600	5.0	0.91	100.000		87.2	82 - 121	0.795	20	
Freon-113	44.2000	5.0	2.8	50.0000		88.4	59 - 139	4.75	20	
Hexachlorobutadiene	49.2700	5.0	2.5	50.0000		98.5	69 - 143	8.00	20	
Isopropylbenzene	47.5800	5.0	1.8	50.0000		95.2	78 - 124	5.66	20	
m,p-Xylene	90.4800	10	1.5	100.000		90.5	85 - 118	0.760	20	
Methylene chloride	29.7300	5.0	2.3	50.0000		59.5	44 - 146	6.54	20	
MTBE	35.2400	5.0	0.63	50.0000		70.5	61 - 122	4.00	20	
n-Butylbenzene	44.3900	5.0	2.4	50.0000		88.8	78 - 135	6.73	20	
n-Propylbenzene	43.3500	5.0	2.2	50.0000		86.7	78 - 127	6.01	20	
Naphthalene	42.6300	5.0	0.97	50.0000		85.3	68 - 129	4.11	20	
o-Xylene	87.5800	5.0	0.87	100.000		87.6	86 - 118	2.64	20	
sec-Butylbenzene	45.8300	5.0	2.3	50.0000		91.7	80 - 127	6.44	20	



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Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS Dup (B9B0639-BSD1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

Styrene	45.2300	5.0	1.5	50.0000		90.5	85 - 117	3.56	20	
tert-Amyl methyl ether	31.4600	5.0	0.59	50.0000		62.9	48 - 135	1.48	20	
tert-Butanol	124.270	100	19	250.000		49.7	0 - 175	43.8	20	R
tert-Butylbenzene	45.3100	5.0	2.0	50.0000		90.6	81 - 122	5.93	20	
Tetrachloroethene	50.5500	5.0	1.6	50.0000		101	77 - 122	4.37	20	
Toluene	86.2200	5.0	0.94	100.000		86.2	79 - 114	0.430	20	
trans-1,2-Dichloroethene	38.9000	5.0	0.59	50.0000		77.8	66 - 125	2.61	20	
trans-1,3-Dichloropropene	42.5300	5.0	2.1	50.0000		85.1	76 - 120	2.60	20	
Trichloroethene	46.4500	5.0	3.1	50.0000		92.9	79 - 117	3.80	20	
Trichlorofluoromethane	40.3900	5.0	1.4	50.0000		80.8	55 - 133	7.79	20	
Vinyl acetate	331.700	50	9.8	500.000		66.3	52 - 141	2.98	20	
Vinyl chloride	39.9700	5.0	1.7	50.0000		79.9	58 - 132	3.20	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>38.60</i>			<i>50.0000</i>		<i>77.2</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.06</i>			<i>50.0000</i>		<i>92.1</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>46.89</i>			<i>50.0000</i>		<i>93.8</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.36</i>			<i>50.0000</i>		<i>94.7</i>	<i>82 - 119</i>			

Matrix Spike (B9B0639-MS1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	42.3700	5.0	0.96	50.0000	ND	84.7	45 - 121			
1,1,1-Trichloroethane	40.7600	5.0	1.1	50.0000	ND	81.5	43 - 127			
1,1,2,2-Tetrachloroethane	40.4500	5.0	0.62	50.0000	ND	80.9	32 - 128			
1,1,2-Trichloroethane	41.0000	5.0	1.6	50.0000	ND	82.0	45 - 121			
1,1-Dichloroethane	37.8000	5.0	0.81	50.0000	ND	75.6	46 - 119			
1,1-Dichloroethene	45.4100	5.0	2.6	50.0000	ND	90.8	40 - 130			
1,1-Dichloropropene	45.9000	5.0	2.3	50.0000	ND	91.8	45 - 130			
1,2,3-Trichloropropane	40.1100	5.0	0.54	50.0000	ND	80.2	42 - 124			
1,2,3-Trichlorobenzene	33.8600	5.0	1.2	50.0000	ND	67.7	4 - 135			
1,2,4-Trichlorobenzene	34.5500	5.0	1.1	50.0000	ND	69.1	8 - 141			
1,2,4-Trimethylbenzene	37.5400	5.0	1.5	50.0000	ND	75.1	30 - 136			
1,2-Dibromo-3-chloropropane	44.3700	10	1.6	50.0000	ND	88.7	38 - 132			
1,2-Dibromoethane	41.0600	5.0	3.2	50.0000	ND	82.1	45 - 121			
1,2-Dichlorobenzene	39.8800	5.0	1.1	50.0000	ND	79.8	30 - 125			
1,2-Dichloroethane	36.2800	5.0	1.2	50.0000	ND	72.6	51 - 115			
1,2-Dichloropropane	37.5400	5.0	1.8	50.0000	ND	75.1	50 - 118			
1,3,5-Trimethylbenzene	38.4700	5.0	1.7	50.0000	ND	76.9	29 - 137			
1,3-Dichlorobenzene	39.1300	5.0	1.3	50.0000	ND	78.3	30 - 124			
1,3-Dichloropropane	40.5400	5.0	1.1	50.0000	ND	81.1	49 - 116			
1,4-Dichlorobenzene	38.8700	5.0	1.2	50.0000	ND	77.7	31 - 124			
2,2-Dichloropropane	45.1600	5.0	1.2	50.0000	ND	90.3	41 - 134			
2-Chlorotoluene	37.6100	5.0	1.6	50.0000	ND	75.2	32 - 127			
4-Chlorotoluene	37.1500	5.0	1.5	50.0000	ND	74.3	34 - 124			



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike (B9B0639-MS1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

4-Isopropyltoluene	38.6800	5.0	2.3	50.0000	ND	77.4	26 - 141			
Benzene	79.1000	5.0	0.64	100.000	ND	79.1	48 - 117			
Bromobenzene	39.6100	5.0	1.1	50.0000	ND	79.2	40 - 117			
Bromochloromethane	40.8400	5.0	0.64	50.0000	ND	81.7	48 - 117			
Bromodichloromethane	37.4500	5.0	1.2	50.0000	ND	74.9	49 - 115			
Bromoform	46.0300	5.0	0.80	50.0000	ND	92.1	42 - 127			
Bromomethane	42.3100	5.0	2.5	50.0000	ND	84.6	19 - 157			
Carbon disulfide	40.8700	5.0	3.5	50.0000	ND	81.7	34 - 138			
Carbon tetrachloride	42.8400	5.0	1.2	50.0000	ND	85.7	43 - 130			
Chlorobenzene	41.8900	5.0	1.0	50.0000	ND	83.8	41 - 122			
Chloroethane	35.6100	5.0	1.1	50.0000	ND	71.2	32 - 145			
Chloroform	38.6500	5.0	0.82	50.0000	ND	77.3	46 - 118			
Chloromethane	38.2700	5.0	1.4	50.0000	ND	76.5	34 - 132			
cis-1,2-Dichloroethene	41.0000	5.0	0.67	50.0000	ND	82.0	44 - 119			
cis-1,3-Dichloropropene	42.3600	5.0	1.9	50.0000	ND	84.7	44 - 126			
Di-isopropyl ether	36.8800	5.0	0.55	50.0000	ND	73.8	42 - 126			
Dibromochloromethane	42.8100	5.0	1.0	50.0000	ND	85.6	46 - 119			
Dibromomethane	39.8200	5.0	1.6	50.0000	ND	79.6	52 - 114			
Dichlorodifluoromethane	51.8300	5.0	2.2	50.0000	ND	104	22 - 147			
Ethyl Acetate	388.570	50	8.1	500.000	ND	77.7	9 - 140			
Ethyl Ether	412.880	50	6.1	500.000	ND	82.6	45 - 131			
Ethyl tert-butyl ether	33.6300	5.0	0.67	50.0000	ND	67.3	33 - 138			
Ethylbenzene	82.6200	5.0	0.91	100.000	ND	82.6	38 - 131			
Freon-113	45.6300	5.0	2.8	50.0000	ND	91.3	38 - 140			
Hexachlorobutadiene	28.4000	5.0	2.5	50.0000	ND	56.8	4 - 141			
Isopropylbenzene	43.4600	5.0	1.8	50.0000	ND	86.9	35 - 133			
m,p-Xylene	85.3900	10	1.5	100.000	ND	85.4	38 - 130			
Methylene chloride	29.2100	5.0	2.3	50.0000	ND	58.4	26 - 137			
MTBE	35.2900	5.0	0.63	50.0000	ND	70.6	45 - 121			
n-Butylbenzene	35.1100	5.0	2.4	50.0000	ND	70.2	18 - 144			
n-Propylbenzene	38.9000	5.0	2.2	50.0000	ND	77.8	30 - 137			
Naphthalene	36.6000	5.0	0.97	50.0000	ND	73.2	14 - 137			
o-Xylene	83.0400	5.0	0.87	100.000	ND	83.0	41 - 129			
sec-Butylbenzene	39.1000	5.0	2.3	50.0000	ND	78.2	24 - 140			
Styrene	41.0400	5.0	1.5	50.0000	ND	82.1	41 - 125			
tert-Amyl methyl ether	31.5400	5.0	0.59	50.0000	ND	63.1	31 - 133			
tert-Butanol	284.870	100	19	250.000	ND	114	0 - 201			
tert-Butylbenzene	40.0200	5.0	2.0	50.0000	ND	80.0	30 - 134			
Tetrachloroethene	47.6600	5.0	1.6	50.0000	ND	95.3	37 - 130			
Toluene	82.3900	5.0	0.94	100.000	ND	82.4	45 - 122			
trans-1,2-Dichloroethene	40.3100	5.0	0.59	50.0000	ND	80.6	46 - 122			
trans-1,3-Dichloropropene	40.1700	5.0	2.1	50.0000	ND	80.3	44 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike (B9B0639-MS1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Trichloroethene	44.2600	5.0	3.1	50.0000	ND	88.5	36 - 142			
Trichlorofluoromethane	39.5900	5.0	1.4	50.0000	ND	79.2	37 - 135			
Vinyl acetate	318.070	50	9.8	500.000	ND	63.6	0 - 136			
Vinyl chloride	41.8400	5.0	1.7	50.0000	ND	83.7	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>41.91</i>			<i>50.0000</i>		<i>83.8</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.02</i>			<i>50.0000</i>		<i>96.0</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethan</i>	<i>49.58</i>			<i>50.0000</i>		<i>99.2</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.85</i>			<i>50.0000</i>		<i>93.7</i>	<i>82 - 119</i>			

Matrix Spike Dup (B9B0639-MSD1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	35.8600	5.0	0.96	50.0000	ND	71.7	45 - 121	16.6	20	
1,1,1-Trichloroethane	33.5300	5.0	1.1	50.0000	ND	67.1	43 - 127	19.5	20	
1,1,2,2-Tetrachloroethane	34.3400	5.0	0.62	50.0000	ND	68.7	32 - 128	16.3	20	
1,1,2-Trichloroethane	36.1700	5.0	1.6	50.0000	ND	72.3	45 - 121	12.5	20	
1,1-Dichloroethane	33.2300	5.0	0.81	50.0000	ND	66.5	46 - 119	12.9	20	
1,1-Dichloroethene	35.7600	5.0	2.6	50.0000	ND	71.5	40 - 130	23.8	20	R
1,1-Dichloropropene	37.4800	5.0	2.3	50.0000	ND	75.0	45 - 130	20.2	20	R
1,2,3-Trichloropropane	35.4200	5.0	0.54	50.0000	ND	70.8	42 - 124	12.4	20	
1,2,3-Trichlorobenzene	19.7700	5.0	1.2	50.0000	ND	39.5	4 - 135	52.5	20	R
1,2,4-Trichlorobenzene	21.1600	5.0	1.1	50.0000	ND	42.3	8 - 141	48.1	20	R
1,2,4-Trimethylbenzene	28.3200	5.0	1.5	50.0000	ND	56.6	30 - 136	28.0	20	R
1,2-Dibromo-3-chloropropane	34.4300	10	1.6	50.0000	ND	68.9	38 - 132	25.2	20	R
1,2-Dibromoethane	36.1600	5.0	3.2	50.0000	ND	72.3	45 - 121	12.7	20	
1,2-Dichlorobenzene	29.2000	5.0	1.1	50.0000	ND	58.4	30 - 125	30.9	20	R
1,2-Dichloroethane	33.5400	5.0	1.2	50.0000	ND	67.1	51 - 115	7.85	20	
1,2-Dichloropropane	33.2000	5.0	1.8	50.0000	ND	66.4	50 - 118	12.3	20	
1,3,5-Trimethylbenzene	28.7100	5.0	1.7	50.0000	ND	57.4	29 - 137	29.1	20	R
1,3-Dichlorobenzene	28.6900	5.0	1.3	50.0000	ND	57.4	30 - 124	30.8	20	R
1,3-Dichloropropane	36.3100	5.0	1.1	50.0000	ND	72.6	49 - 116	11.0	20	
1,4-Dichlorobenzene	28.7500	5.0	1.2	50.0000	ND	57.5	31 - 124	29.9	20	R
2,2-Dichloropropane	37.5900	5.0	1.2	50.0000	ND	75.2	41 - 134	18.3	20	
2-Chlorotoluene	28.9500	5.0	1.6	50.0000	ND	57.9	32 - 127	26.0	20	R
4-Chlorotoluene	28.2500	5.0	1.5	50.0000	ND	56.5	34 - 124	27.2	20	R
4-Isopropyltoluene	27.1600	5.0	2.3	50.0000	ND	54.3	26 - 141	35.0	20	R
Benzene	68.6100	5.0	0.64	100.000	ND	68.6	48 - 117	14.2	20	
Bromobenzene	32.0100	5.0	1.1	50.0000	ND	64.0	40 - 117	21.2	20	R
Bromochloromethane	36.8100	5.0	0.64	50.0000	ND	73.6	48 - 117	10.4	20	
Bromodichloromethane	33.2100	5.0	1.2	50.0000	ND	66.4	49 - 115	12.0	20	
Bromoform	38.3000	5.0	0.80	50.0000	ND	76.6	42 - 127	18.3	20	
Bromomethane	35.9200	5.0	2.5	50.0000	ND	71.8	19 - 157	16.3	20	
Carbon disulfide	31.7700	5.0	3.5	50.0000	ND	63.5	34 - 138	25.1	20	R



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike Dup (B9B0639-MSD1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Carbon tetrachloride	33.2500	5.0	1.2	50.0000	ND	66.5	43 - 130	25.2	20	R
Chlorobenzene	35.1000	5.0	1.0	50.0000	ND	70.2	41 - 122	17.6	20	
Chloroethane	31.3100	5.0	1.1	50.0000	ND	62.6	32 - 145	12.9	20	
Chloroform	33.4400	5.0	0.82	50.0000	ND	66.9	46 - 118	14.5	20	
Chloromethane	32.2000	5.0	1.4	50.0000	ND	64.4	34 - 132	17.2	20	
cis-1,2-Dichloroethene	34.9400	5.0	0.67	50.0000	ND	69.9	44 - 119	16.0	20	
cis-1,3-Dichloropropene	36.7400	5.0	1.9	50.0000	ND	73.5	44 - 126	14.2	20	
Di-isopropyl ether	33.0700	5.0	0.55	50.0000	ND	66.1	42 - 126	10.9	20	
Dibromochloromethane	36.9900	5.0	1.0	50.0000	ND	74.0	46 - 119	14.6	20	
Dibromomethane	36.0700	5.0	1.6	50.0000	ND	72.1	52 - 114	9.88	20	
Dichlorodifluoromethane	43.2500	5.0	2.2	50.0000	ND	86.5	22 - 147	18.0	20	
Ethyl Acetate	351.000	50	8.1	500.000	ND	70.2	9 - 140	10.2	20	
Ethyl Ether	330.420	50	6.1	500.000	ND	66.1	45 - 131	22.2	20	R
Ethyl tert-butyl ether	28.8000	5.0	0.67	50.0000	ND	57.6	33 - 138	15.5	20	
Ethylbenzene	66.1600	5.0	0.91	100.000	ND	66.2	38 - 131	22.1	20	R
Freon-113	34.7400	5.0	2.8	50.0000	ND	69.5	38 - 140	27.1	20	R
Hexachlorobutadiene	21.9100	5.0	2.5	50.0000	ND	43.8	4 - 141	25.8	20	R
Isopropylbenzene	33.1800	5.0	1.8	50.0000	ND	66.4	35 - 133	26.8	20	R
m,p-Xylene	67.8900	10	1.5	100.000	ND	67.9	38 - 130	22.8	20	R
Methylene chloride	31.3800	5.0	2.3	50.0000	ND	62.8	26 - 137	7.16	20	
MTBE	31.4600	5.0	0.63	50.0000	ND	62.9	45 - 121	11.5	20	
n-Butylbenzene	24.5400	5.0	2.4	50.0000	ND	49.1	18 - 144	35.4	20	R
n-Propylbenzene	28.9400	5.0	2.2	50.0000	ND	57.9	30 - 137	29.4	20	R
Naphthalene	24.5900	5.0	0.97	50.0000	ND	49.2	14 - 137	39.3	20	R
o-Xylene	67.1000	5.0	0.87	100.000	ND	67.1	41 - 129	21.2	20	R
sec-Butylbenzene	27.8500	5.0	2.3	50.0000	ND	55.7	24 - 140	33.6	20	R
Styrene	33.2400	5.0	1.5	50.0000	ND	66.5	41 - 125	21.0	20	R
tert-Amyl methyl ether	26.8600	5.0	0.59	50.0000	ND	53.7	31 - 133	16.0	20	
tert-Butanol	192.730	100	19	250.000	ND	77.1	0 - 201	38.6	20	R
tert-Butylbenzene	29.5800	5.0	2.0	50.0000	ND	59.2	30 - 134	30.0	20	R
Tetrachloroethene	37.4600	5.0	1.6	50.0000	ND	74.9	37 - 130	24.0	20	R
Toluene	69.4900	5.0	0.94	100.000	ND	69.5	45 - 122	17.0	20	
trans-1,2-Dichloroethene	34.5200	5.0	0.59	50.0000	ND	69.0	46 - 122	15.5	20	
trans-1,3-Dichloropropene	34.6700	5.0	2.1	50.0000	ND	69.3	44 - 124	14.7	20	
Trichloroethene	36.5300	5.0	3.1	50.0000	ND	73.1	36 - 142	19.1	20	
Trichlorofluoromethane	32.9800	5.0	1.4	50.0000	ND	66.0	37 - 135	18.2	20	
Vinyl acetate	290.770	50	9.8	500.000	ND	58.2	0 - 136	8.97	20	
Vinyl chloride	34.2300	5.0	1.7	50.0000	ND	68.5	42 - 131	20.0	20	R
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>41.98</i>			<i>50.0000</i>		<i>84.0</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.40</i>			<i>50.0000</i>		<i>94.8</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>49.23</i>			<i>50.0000</i>		<i>98.5</i>	<i>65 - 137</i>			



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Report To : Robert Lovdahl
Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike Dup (B9B0639-MSD1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Surrogate: Toluene-d8

46.42

50.0000

92.8

82 - 119



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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S

Blank (B9C0002-BLK1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.96
1,1,1-Trichloroethane	ND	5.0	1.1
1,1,2,2-Tetrachloroethane	ND	5.0	0.62
1,1,2-Trichloroethane	ND	5.0	1.6
1,1-Dichloroethane	ND	5.0	0.81
1,1-Dichloroethene	ND	5.0	2.6
1,1-Dichloropropene	ND	5.0	2.3
1,2,3-Trichloropropane	ND	5.0	0.54
1,2,3-Trichlorobenzene	ND	5.0	1.2
1,2,4-Trichlorobenzene	ND	5.0	1.1
1,2,4-Trimethylbenzene	ND	5.0	1.5
1,2-Dibromo-3-chloropropane	ND	10	1.6
1,2-Dibromoethane	ND	5.0	3.2
1,2-Dichlorobenzene	ND	5.0	1.1
1,2-Dichloroethane	ND	5.0	1.2
1,2-Dichloropropane	ND	5.0	1.8
1,3,5-Trimethylbenzene	ND	5.0	1.7
1,3-Dichlorobenzene	ND	5.0	1.3
1,3-Dichloropropane	ND	5.0	1.1
1,4-Dichlorobenzene	ND	5.0	1.2
2,2-Dichloropropane	ND	5.0	1.2
2-Chlorotoluene	ND	5.0	1.6
4-Chlorotoluene	ND	5.0	1.5
4-Isopropyltoluene	ND	5.0	2.3
Benzene	ND	5.0	0.64
Bromobenzene	ND	5.0	1.1
Bromochloromethane	ND	5.0	0.64
Bromodichloromethane	ND	5.0	1.2
Bromoform	ND	5.0	0.80
Bromomethane	ND	5.0	2.5
Carbon disulfide	ND	5.0	3.5
Carbon tetrachloride	ND	5.0	1.2
Chlorobenzene	ND	5.0	1.0
Chloroethane	ND	5.0	1.1
Chloroform	ND	5.0	0.82
Chloromethane	ND	5.0	1.4
cis-1,2-Dichloroethene	ND	5.0	0.67
cis-1,3-Dichloropropene	ND	5.0	1.9
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	1.0
Dibromomethane	ND	5.0	1.6



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 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

Blank (B9C0002-BLK1) - Continued

Prepared: 3/1/2019 Analyzed: 3/1/2019

Dichlorodifluoromethane	ND	5.0	2.2						
Ethyl Acetate	ND	50	8.1						
Ethyl Ether	ND	50	6.1						
Ethyl tert-butyl ether	ND	5.0	0.67						
Ethylbenzene	ND	5.0	0.91						
Freon-113	ND	5.0	2.8						
Hexachlorobutadiene	ND	5.0	2.5						
Isopropylbenzene	ND	5.0	1.8						
m,p-Xylene	ND	10	1.5						
Methylene chloride	ND	5.0	2.3						
MTBE	ND	5.0	0.63						
n-Butylbenzene	ND	5.0	2.4						
n-Propylbenzene	ND	5.0	2.2						
Naphthalene	ND	5.0	0.97						
o-Xylene	ND	5.0	0.87						
sec-Butylbenzene	ND	5.0	2.3						
Styrene	ND	5.0	1.5						
tert-Amyl methyl ether	ND	5.0	0.59						
tert-Butanol	ND	100	19						
tert-Butylbenzene	ND	5.0	2.0						
Tetrachloroethene	ND	5.0	1.6						
Toluene	ND	5.0	0.94						
trans-1,2-Dichloroethene	ND	5.0	0.59						
trans-1,3-Dichloropropene	ND	5.0	2.1						
Trichloroethene	ND	5.0	3.1						
Trichlorofluoromethane	ND	5.0	1.4						
Vinyl acetate	ND	50	9.8						
Vinyl chloride	ND	5.0	1.7						

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>40.14</i>			<i>50.0000</i>		<i>80.3</i>	<i>60 - 145</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.54</i>			<i>50.0000</i>		<i>89.1</i>	<i>68 - 121</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>49.20</i>			<i>50.0000</i>		<i>98.4</i>	<i>65 - 137</i>		
<i>Surrogate: Toluene-d8</i>	<i>46.91</i>			<i>50.0000</i>		<i>93.8</i>	<i>82 - 119</i>		

LCS (B9C0002-BS1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,1,1,2-Tetrachloroethane	46.1000	5.0	0.96	50.0000		92.2	82 - 114		
1,1,1-Trichloroethane	38.2200	5.0	1.1	50.0000		76.4	70 - 121		
1,1,2,2-Tetrachloroethane	40.4900	5.0	0.62	50.0000		81.0	65 - 116		
1,1,2-Trichloroethane	41.4000	5.0	1.6	50.0000		82.8	73 - 114		
1,1-Dichloroethane	36.4600	5.0	0.81	50.0000		72.9	69 - 117		
1,1-Dichloroethene	40.9800	5.0	2.6	50.0000		82.0	57 - 128		
1,1-Dichloropropene	44.8700	5.0	2.3	50.0000		89.7	76 - 122		



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

LCS (B9C0002-BS1) - Continued

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,2,3-Trichloropropane	40.1200	5.0	0.54	50.0000		80.2	65 - 116		
1,2,3-Trichlorobenzene	49.0700	5.0	1.2	50.0000		98.1	72 - 130		
1,2,4-Trichlorobenzene	49.6100	5.0	1.1	50.0000		99.2	74 - 141		
1,2,4-Trimethylbenzene	42.3200	5.0	1.5	50.0000		84.6	81 - 126		
1,2-Dibromo-3-chloropropane	42.9500	10	1.6	50.0000		85.9	63 - 126		
1,2-Dibromoethane	41.2500	5.0	3.2	50.0000		82.5	75 - 113		
1,2-Dichlorobenzene	47.6600	5.0	1.1	50.0000		95.3	83 - 114		
1,2-Dichloroethane	37.2100	5.0	1.2	50.0000		74.4	73 - 115		
1,2-Dichloropropane	37.7300	5.0	1.8	50.0000		75.5	75 - 117		
1,3,5-Trimethylbenzene	42.9300	5.0	1.7	50.0000		85.9	80 - 126		
1,3-Dichlorobenzene	47.1200	5.0	1.3	50.0000		94.2	83 - 113		
1,3-Dichloropropane	41.5700	5.0	1.1	50.0000		83.1	79 - 108		
1,4-Dichlorobenzene	46.8500	5.0	1.2	50.0000		93.7	82 - 114		
2,2-Dichloropropane	42.6100	5.0	1.2	50.0000		85.2	66 - 135		
2-Chlorotoluene	42.3200	5.0	1.6	50.0000		84.6	79 - 117		
4-Chlorotoluene	41.9700	5.0	1.5	50.0000		83.9	77 - 118		
4-Isopropyltoluene	45.1700	5.0	2.3	50.0000		90.3	81 - 129		
Benzene	79.8900	5.0	0.64	100.000		79.9	78 - 112		
Bromobenzene	44.9200	5.0	1.1	50.0000		89.8	79 - 111		
Bromochloromethane	40.4400	5.0	0.64	50.0000		80.9	69 - 116		
Bromodichloromethane	38.8500	5.0	1.2	50.0000		77.7	79 - 111		L4
Bromoform	47.9100	5.0	0.80	50.0000		95.8	75 - 119		
Bromomethane	44.3700	5.0	2.5	50.0000		88.7	31 - 168		
Carbon disulfide	37.6000	5.0	3.5	50.0000		75.2	54 - 141		
Carbon tetrachloride	42.9300	5.0	1.2	50.0000		85.9	74 - 125		
Chlorobenzene	46.0900	5.0	1.0	50.0000		92.2	83 - 112		
Chloroethane	34.6500	5.0	1.1	50.0000		69.3	53 - 144		
Chloroform	38.1400	5.0	0.82	50.0000		76.3	69 - 118		
Chloromethane	35.5800	5.0	1.4	50.0000		71.2	46 - 137		
cis-1,2-Dichloroethene	39.3100	5.0	0.67	50.0000		78.6	68 - 118		
cis-1,3-Dichloropropene	42.8700	5.0	1.9	50.0000		85.7	77 - 121		
Di-isopropyl ether	35.4200	5.0	0.55	50.0000		70.8	60 - 129		
Dibromochloromethane	44.8300	5.0	1.0	50.0000		89.7	80 - 111		
Dibromomethane	40.2300	5.0	1.6	50.0000		80.5	78 - 108		
Dichlorodifluoromethane	48.3100	5.0	2.2	50.0000		96.6	41 - 146		
Ethyl Acetate	346.780	50	8.1	500.000		69.4	52 - 130		
Ethyl Ether	355.130	50	6.1	500.000		71.0	54 - 138		
Ethyl tert-butyl ether	31.2700	5.0	0.67	50.0000		62.5	52 - 141		
Ethylbenzene	87.1800	5.0	0.91	100.000		87.2	82 - 121		
Freon-113	41.4000	5.0	2.8	50.0000		82.8	59 - 139		
Hexachlorobutadiene	49.9500	5.0	2.5	50.0000		99.9	69 - 143		
Isopropylbenzene	46.3300	5.0	1.8	50.0000		92.7	78 - 124		



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

LCS (B9C0002-BS1) - Continued

Prepared: 3/1/2019 Analyzed: 3/1/2019

m,p-Xylene	90.9200	10	1.5	100.000		90.9	85 - 118		
Methylene chloride	28.2500	5.0	2.3	50.0000		56.5	44 - 146		
MTBE	32.4800	5.0	0.63	50.0000		65.0	61 - 122		
n-Butylbenzene	44.3400	5.0	2.4	50.0000		88.7	78 - 135		
n-Propylbenzene	42.5900	5.0	2.2	50.0000		85.2	78 - 127		
Naphthalene	42.4900	5.0	0.97	50.0000		85.0	68 - 129		
o-Xylene	88.8400	5.0	0.87	100.000		88.8	86 - 118		
sec-Butylbenzene	45.4100	5.0	2.3	50.0000		90.8	80 - 127		
Styrene	45.5500	5.0	1.5	50.0000		91.1	85 - 117		
tert-Amyl methyl ether	28.8400	5.0	0.59	50.0000		57.7	48 - 135		
tert-Butanol	209.580	100	19	250.000		83.8	0 - 175		
tert-Butylbenzene	44.7800	5.0	2.0	50.0000		89.6	81 - 122		
Tetrachloroethene	50.2600	5.0	1.6	50.0000		101	77 - 122		
Toluene	83.4100	5.0	0.94	100.000		83.4	79 - 114		
trans-1,2-Dichloroethene	36.9300	5.0	0.59	50.0000		73.9	66 - 125		
trans-1,3-Dichloropropene	41.2500	5.0	2.1	50.0000		82.5	76 - 120		
Trichloroethene	44.2200	5.0	3.1	50.0000		88.4	79 - 117		
Trichlorofluoromethane	38.0200	5.0	1.4	50.0000		76.0	55 - 133		
Vinyl acetate	318.010	50	9.8	500.000		63.6	52 - 141		
Vinyl chloride	37.3500	5.0	1.7	50.0000		74.7	58 - 132		

Surrogate: 1,2-Dichloroethane-d4

38.01

50.0000

76.0

60 - 145

Surrogate: 4-Bromofluorobenzene

46.86

50.0000

93.7

68 - 121

Surrogate: Dibromofluoromethane

46.28

50.0000

92.6

65 - 137

Surrogate: Toluene-d8

45.38

50.0000

90.8

82 - 119

LCS Dup (B9C0002-BSD1)

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,1,1,2-Tetrachloroethane	50.5100	5.0	0.96	50.0000		101	82 - 114	9.13	20
1,1,1-Trichloroethane	40.2200	5.0	1.1	50.0000		80.4	70 - 121	5.10	20
1,1,2,2-Tetrachloroethane	44.2300	5.0	0.62	50.0000		88.5	65 - 116	8.83	20
1,1,2-Trichloroethane	46.7300	5.0	1.6	50.0000		93.5	73 - 114	12.1	20
1,1-Dichloroethane	38.3100	5.0	0.81	50.0000		76.6	69 - 117	4.95	20
1,1-Dichloroethene	41.5900	5.0	2.6	50.0000		83.2	57 - 128	1.48	20
1,1-Dichloropropene	45.5300	5.0	2.3	50.0000		91.1	76 - 122	1.46	20
1,2,3-Trichloropropane	44.4900	5.0	0.54	50.0000		89.0	65 - 116	10.3	20
1,2,3-Trichlorobenzene	52.6800	5.0	1.2	50.0000		105	72 - 130	7.10	20
1,2,4-Trichlorobenzene	52.4500	5.0	1.1	50.0000		105	74 - 141	5.57	20
1,2,4-Trimethylbenzene	43.8800	5.0	1.5	50.0000		87.8	81 - 126	3.62	20
1,2-Dibromo-3-chloropropane	48.2000	10	1.6	50.0000		96.4	63 - 126	11.5	20
1,2-Dibromoethane	47.0400	5.0	3.2	50.0000		94.1	75 - 113	13.1	20
1,2-Dichlorobenzene	49.9400	5.0	1.1	50.0000		99.9	83 - 114	4.67	20
1,2-Dichloroethane	42.0300	5.0	1.2	50.0000		84.1	73 - 115	12.2	20



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

LCS Dup (B9C0002-BSD1) - Continued

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,2-Dichloropropane	42.4600	5.0	1.8	50.0000		84.9	75 - 117	11.8	20	
1,3,5-Trimethylbenzene	44.4900	5.0	1.7	50.0000		89.0	80 - 126	3.57	20	
1,3-Dichlorobenzene	48.7200	5.0	1.3	50.0000		97.4	83 - 113	3.34	20	
1,3-Dichloropropane	46.9000	5.0	1.1	50.0000		93.8	79 - 108	12.0	20	
1,4-Dichlorobenzene	48.5500	5.0	1.2	50.0000		97.1	82 - 114	3.56	20	
2,2-Dichloropropane	43.6500	5.0	1.2	50.0000		87.3	66 - 135	2.41	20	
2-Chlorotoluene	43.5500	5.0	1.6	50.0000		87.1	79 - 117	2.86	20	
4-Chlorotoluene	43.3500	5.0	1.5	50.0000		86.7	77 - 118	3.23	20	
4-Isopropyltoluene	45.9000	5.0	2.3	50.0000		91.8	81 - 129	1.60	20	
Benzene	84.1600	5.0	0.64	100.000		84.2	78 - 112	5.21	20	
Bromobenzene	47.9500	5.0	1.1	50.0000		95.9	79 - 111	6.53	20	
Bromochloromethane	45.1600	5.0	0.64	50.0000		90.3	69 - 116	11.0	20	
Bromodichloromethane	43.7400	5.0	1.2	50.0000		87.5	79 - 111	11.8	20	
Bromoform	52.7700	5.0	0.80	50.0000		106	75 - 119	9.65	20	
Bromomethane	42.5300	5.0	2.5	50.0000		85.1	31 - 168	4.23	20	
Carbon disulfide	37.6400	5.0	3.5	50.0000		75.3	54 - 141	0.106	20	
Carbon tetrachloride	43.1000	5.0	1.2	50.0000		86.2	74 - 125	0.395	20	
Chlorobenzene	49.9400	5.0	1.0	50.0000		99.9	83 - 112	8.02	20	
Chloroethane	31.6400	5.0	1.1	50.0000		63.3	53 - 144	9.08	20	
Chloroform	41.8300	5.0	0.82	50.0000		83.7	69 - 118	9.23	20	
Chloromethane	35.7500	5.0	1.4	50.0000		71.5	46 - 137	0.477	20	
cis-1,2-Dichloroethene	42.5200	5.0	0.67	50.0000		85.0	68 - 118	7.85	20	
cis-1,3-Dichloropropene	48.6300	5.0	1.9	50.0000		97.3	77 - 121	12.6	20	
Di-isopropyl ether	39.3600	5.0	0.55	50.0000		78.7	60 - 129	10.5	20	
Dibromochloromethane	50.0900	5.0	1.0	50.0000		100	80 - 111	11.1	20	
Dibromomethane	46.5100	5.0	1.6	50.0000		93.0	78 - 108	14.5	20	
Dichlorodifluoromethane	47.7100	5.0	2.2	50.0000		95.4	41 - 146	1.25	20	
Ethyl Acetate	404.850	50	8.1	500.000		81.0	52 - 130	15.5	20	
Ethyl Ether	407.690	50	6.1	500.000		81.5	54 - 138	13.8	20	
Ethyl tert-butyl ether	35.1700	5.0	0.67	50.0000		70.3	52 - 141	11.7	20	
Ethylbenzene	93.1300	5.0	0.91	100.000		93.1	82 - 121	6.60	20	
Freon-113	41.8200	5.0	2.8	50.0000		83.6	59 - 139	1.01	20	
Hexachlorobutadiene	50.7000	5.0	2.5	50.0000		101	69 - 143	1.49	20	
Isopropylbenzene	48.4900	5.0	1.8	50.0000		97.0	78 - 124	4.56	20	
m,p-Xylene	97.0700	10	1.5	100.000		97.1	85 - 118	6.54	20	
Methylene chloride	33.9200	5.0	2.3	50.0000		67.8	44 - 146	18.2	20	
MTBE	36.9300	5.0	0.63	50.0000		73.9	61 - 122	12.8	20	
n-Butylbenzene	44.7400	5.0	2.4	50.0000		89.5	78 - 135	0.898	20	
n-Propylbenzene	43.8300	5.0	2.2	50.0000		87.7	78 - 127	2.87	20	
Naphthalene	47.2800	5.0	0.97	50.0000		94.6	68 - 129	10.7	20	
o-Xylene	95.7300	5.0	0.87	100.000		95.7	86 - 118	7.47	20	
sec-Butylbenzene	46.1700	5.0	2.3	50.0000		92.3	80 - 127	1.66	20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

LCS Dup (B9C0002-BSD1) - Continued

Prepared: 3/1/2019 Analyzed: 3/1/2019

Styrene	48.9900	5.0	1.5	50.0000		98.0	85 - 117	7.28	20	
tert-Amyl methyl ether	33.7800	5.0	0.59	50.0000		67.6	48 - 135	15.8	20	
tert-Butanol	310.430	100	19	250.000		124	0 - 175	38.8	20	R
tert-Butylbenzene	45.9800	5.0	2.0	50.0000		92.0	81 - 122	2.64	20	
Tetrachloroethene	53.0000	5.0	1.6	50.0000		106	77 - 122	5.31	20	
Toluene	90.8100	5.0	0.94	100.000		90.8	79 - 114	8.49	20	
trans-1,2-Dichloroethene	39.3300	5.0	0.59	50.0000		78.7	66 - 125	6.29	20	
trans-1,3-Dichloropropene	46.9800	5.0	2.1	50.0000		94.0	76 - 120	13.0	20	
Trichloroethene	47.4000	5.0	3.1	50.0000		94.8	79 - 117	6.94	20	
Trichlorofluoromethane	37.0200	5.0	1.4	50.0000		74.0	55 - 133	2.67	20	
Vinyl acetate	361.340	50	9.8	500.000		72.3	52 - 141	12.8	20	
Vinyl chloride	38.0400	5.0	1.7	50.0000		76.1	58 - 132	1.83	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>39.91</i>			<i>50.0000</i>		<i>79.8</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.11</i>			<i>50.0000</i>		<i>94.2</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>47.65</i>			<i>50.0000</i>		<i>95.3</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.42</i>			<i>50.0000</i>		<i>94.8</i>	<i>82 - 119</i>			

Matrix Spike (B9C0002-MS1)

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,1,1,2-Tetrachloroethane	47.3800	5.0	0.96	50.0000	ND	94.8	45 - 121			
1,1,1-Trichloroethane	44.7300	5.0	1.1	50.0000	ND	89.5	43 - 127			
1,1,2,2-Tetrachloroethane	42.7800	5.0	0.62	50.0000	ND	85.6	32 - 128			
1,1,2-Trichloroethane	41.8600	5.0	1.6	50.0000	ND	83.7	45 - 121			
1,1-Dichloroethane	40.7600	5.0	0.81	50.0000	ND	81.5	46 - 119			
1,1-Dichloroethene	52.1700	5.0	2.6	50.0000	ND	104	40 - 130			
1,1-Dichloropropene	52.6600	5.0	2.3	50.0000	ND	105	45 - 130			
1,2,3-Trichloropropane	43.9000	5.0	0.54	50.0000	ND	87.8	42 - 124			
1,2,3-Trichlorobenzene	49.5900	5.0	1.2	50.0000	ND	99.2	4 - 135			
1,2,4-Trichlorobenzene	50.6500	5.0	1.1	50.0000	ND	101	8 - 141			
1,2,4-Trimethylbenzene	47.0100	5.0	1.5	50.0000	ND	94.0	30 - 136			
1,2-Dibromo-3-chloropropane	48.2900	10	1.6	50.0000	ND	96.6	38 - 132			
1,2-Dibromoethane	40.4100	5.0	3.2	50.0000	ND	80.8	45 - 121			
1,2-Dichlorobenzene	44.9700	5.0	1.1	50.0000	ND	89.9	30 - 125			
1,2-Dichloroethane	37.9500	5.0	1.2	50.0000	ND	75.9	51 - 115			
1,2-Dichloropropane	39.8800	5.0	1.8	50.0000	ND	79.8	50 - 118			
1,3,5-Trimethylbenzene	47.3300	5.0	1.7	50.0000	ND	94.7	29 - 137			
1,3-Dichlorobenzene	45.9000	5.0	1.3	50.0000	ND	91.8	30 - 124			
1,3-Dichloropropane	41.0000	5.0	1.1	50.0000	ND	82.0	49 - 116			
1,4-Dichlorobenzene	45.0300	5.0	1.2	50.0000	ND	90.1	31 - 124			
2,2-Dichloropropane	47.4900	5.0	1.2	50.0000	ND	95.0	41 - 134			
2-Chlorotoluene	43.2100	5.0	1.6	50.0000	ND	86.4	32 - 127			
4-Chlorotoluene	42.2200	5.0	1.5	50.0000	ND	84.4	34 - 124			



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

Matrix Spike (B9C0002-MS1) - Continued

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

4-Isopropyltoluene	49.4100	5.0	2.3	50.0000	ND	98.8	26 - 141
Benzene	88.7900	5.0	0.64	100.000	ND	88.8	48 - 117
Bromobenzene	45.0500	5.0	1.1	50.0000	ND	90.1	40 - 117
Bromochloromethane	41.3200	5.0	0.64	50.0000	ND	82.6	48 - 117
Bromodichloromethane	39.8500	5.0	1.2	50.0000	ND	79.7	49 - 115
Bromoform	46.5500	5.0	0.80	50.0000	ND	93.1	42 - 127
Bromomethane	47.8300	5.0	2.5	50.0000	ND	95.7	19 - 157
Carbon disulfide	47.5400	5.0	3.5	50.0000	ND	95.1	34 - 138
Carbon tetrachloride	50.7000	5.0	1.2	50.0000	ND	101	43 - 130
Chlorobenzene	46.6000	5.0	1.0	50.0000	ND	93.2	41 - 122
Chloroethane	38.0700	5.0	1.1	50.0000	ND	76.1	32 - 145
Chloroform	40.7500	5.0	0.82	50.0000	ND	81.5	46 - 118
Chloromethane	43.7400	5.0	1.4	50.0000	ND	87.5	34 - 132
cis-1,2-Dichloroethene	42.3100	5.0	0.67	50.0000	ND	84.6	44 - 119
cis-1,3-Dichloropropene	41.4900	5.0	1.9	50.0000	ND	83.0	44 - 126
Di-isopropyl ether	37.5000	5.0	0.55	50.0000	ND	75.0	42 - 126
Dibromochloromethane	43.5300	5.0	1.0	50.0000	ND	87.1	46 - 119
Dibromomethane	40.6600	5.0	1.6	50.0000	ND	81.3	52 - 114
Dichlorodifluoromethane	59.6900	5.0	2.2	50.0000	ND	119	22 - 147
Ethyl Acetate	351.990	50	8.1	500.000	ND	70.4	9 - 140
Ethyl Ether	428.220	50	6.1	500.000	ND	85.6	45 - 131
Ethyl tert-butyl ether	24.4100	5.0	0.67	50.0000	ND	48.8	33 - 138
Ethylbenzene	91.9600	5.0	0.91	100.000	ND	92.0	38 - 131
Freon-113	51.6000	5.0	2.8	50.0000	ND	103	38 - 140
Hexachlorobutadiene	49.7100	5.0	2.5	50.0000	ND	99.4	4 - 141
Isopropylbenzene	51.5200	5.0	1.8	50.0000	ND	103	35 - 133
m,p-Xylene	92.4500	10	1.5	100.000	ND	92.4	38 - 130
Methylene chloride	32.1600	5.0	2.3	50.0000	ND	64.3	26 - 137
MTBE	30.3600	5.0	0.63	50.0000	ND	60.7	45 - 121
n-Butylbenzene	49.5300	5.0	2.4	50.0000	ND	99.1	18 - 144
n-Propylbenzene	46.7200	5.0	2.2	50.0000	ND	93.4	30 - 137
Naphthalene	43.7500	5.0	0.97	50.0000	ND	87.5	14 - 137
o-Xylene	87.1200	5.0	0.87	100.000	ND	87.1	41 - 129
sec-Butylbenzene	50.0200	5.0	2.3	50.0000	ND	100	24 - 140
Styrene	42.0900	5.0	1.5	50.0000	ND	84.2	41 - 125
tert-Amyl methyl ether	19.1600	5.0	0.59	50.0000	ND	38.3	31 - 133
tert-Butanol	376.000	100	19	250.000	ND	150	0 - 201
tert-Butylbenzene	48.7400	5.0	2.0	50.0000	ND	97.5	30 - 134
Tetrachloroethene	57.0700	5.0	1.6	50.0000	ND	114	37 - 130
Toluene	92.5200	5.0	0.94	100.000	ND	92.5	45 - 122
trans-1,2-Dichloroethene	44.3800	5.0	0.59	50.0000	ND	88.8	46 - 122
trans-1,3-Dichloropropene	39.9000	5.0	2.1	50.0000	ND	79.8	44 - 124



Certificate of Analysis

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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

Matrix Spike (B9C0002-MS1) - Continued

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

Trichloroethene	50.1500	5.0	3.1	50.0000	ND	100	36 - 142			
Trichlorofluoromethane	47.1300	5.0	1.4	50.0000	ND	94.3	37 - 135			
Vinyl acetate	208.660	50	9.8	500.000	ND	41.7	0 - 136			
Vinyl chloride	46.0100	5.0	1.7	50.0000	ND	92.0	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>40.91</i>			<i>50.0000</i>		<i>81.8</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>44.63</i>			<i>50.0000</i>		<i>89.3</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>48.78</i>			<i>50.0000</i>		<i>97.6</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.42</i>			<i>50.0000</i>		<i>94.8</i>	<i>82 - 119</i>			

Matrix Spike Dup (B9C0002-MSD1)

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

1,1,1,2-Tetrachloroethane	43.2800	5.0	0.96	50.0000	ND	86.6	45 - 121	9.04	20	
1,1,1-Trichloroethane	37.7200	5.0	1.1	50.0000	ND	75.4	43 - 127	17.0	20	
1,1,2,2-Tetrachloroethane	39.6500	5.0	0.62	50.0000	ND	79.3	32 - 128	7.59	20	
1,1,2-Trichloroethane	41.4700	5.0	1.6	50.0000	ND	82.9	45 - 121	0.936	20	
1,1-Dichloroethane	36.5600	5.0	0.81	50.0000	ND	73.1	46 - 119	10.9	20	
1,1-Dichloroethene	39.4800	5.0	2.6	50.0000	ND	79.0	40 - 130	27.7	20	R
1,1-Dichloropropene	42.6000	5.0	2.3	50.0000	ND	85.2	45 - 130	21.1	20	R
1,2,3-Trichloropropane	40.1700	5.0	0.54	50.0000	ND	80.3	42 - 124	8.87	20	
1,2,3-Trichlorobenzene	43.7300	5.0	1.2	50.0000	ND	87.5	4 - 135	12.6	20	
1,2,4-Trichlorobenzene	43.3600	5.0	1.1	50.0000	ND	86.7	8 - 141	15.5	20	
1,2,4-Trimethylbenzene	38.6600	5.0	1.5	50.0000	ND	77.3	30 - 136	19.5	20	
1,2-Dibromo-3-chloropropane	44.3900	10	1.6	50.0000	ND	88.8	38 - 132	8.42	20	
1,2-Dibromoethane	41.0700	5.0	3.2	50.0000	ND	82.1	45 - 121	1.62	20	
1,2-Dichlorobenzene	43.3000	5.0	1.1	50.0000	ND	86.6	30 - 125	3.78	20	
1,2-Dichloroethane	37.3100	5.0	1.2	50.0000	ND	74.6	51 - 115	1.70	20	
1,2-Dichloropropane	37.1800	5.0	1.8	50.0000	ND	74.4	50 - 118	7.01	20	
1,3,5-Trimethylbenzene	39.3400	5.0	1.7	50.0000	ND	78.7	29 - 137	18.4	20	
1,3-Dichlorobenzene	42.0400	5.0	1.3	50.0000	ND	84.1	30 - 124	8.78	20	
1,3-Dichloropropane	40.3400	5.0	1.1	50.0000	ND	80.7	49 - 116	1.62	20	
1,4-Dichlorobenzene	41.6700	5.0	1.2	50.0000	ND	83.3	31 - 124	7.75	20	
2,2-Dichloropropane	41.1100	5.0	1.2	50.0000	ND	82.2	41 - 134	14.4	20	
2-Chlorotoluene	38.2900	5.0	1.6	50.0000	ND	76.6	32 - 127	12.1	20	
4-Chlorotoluene	37.7600	5.0	1.5	50.0000	ND	75.5	34 - 124	11.2	20	
4-Isopropyltoluene	41.4400	5.0	2.3	50.0000	ND	82.9	26 - 141	17.5	20	
Benzene	77.7000	5.0	0.64	100.000	ND	77.7	48 - 117	13.3	20	
Bromobenzene	41.1500	5.0	1.1	50.0000	ND	82.3	40 - 117	9.05	20	
Bromochloromethane	40.4800	5.0	0.64	50.0000	ND	81.0	48 - 117	2.05	20	
Bromodichloromethane	38.3300	5.0	1.2	50.0000	ND	76.7	49 - 115	3.89	20	
Bromoform	46.7500	5.0	0.80	50.0000	ND	93.5	42 - 127	0.429	20	
Bromomethane	37.6600	5.0	2.5	50.0000	ND	75.3	19 - 157	23.8	20	R
Carbon disulfide	35.1400	5.0	3.5	50.0000	ND	70.3	34 - 138	30.0	20	R



Certificate of Analysis

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Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

Matrix Spike Dup (B9C0002-MSD1) - Continued

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

Carbon tetrachloride	40.4600	5.0	1.2	50.0000	ND	80.9	43 - 130	22.5	20	R
Chlorobenzene	42.5400	5.0	1.0	50.0000	ND	85.1	41 - 122	9.11	20	
Chloroethane	30.2600	5.0	1.1	50.0000	ND	60.5	32 - 145	22.9	20	R
Chloroform	37.4500	5.0	0.82	50.0000	ND	74.9	46 - 118	8.44	20	
Chloromethane	32.9200	5.0	1.4	50.0000	ND	65.8	34 - 132	28.2	20	R
cis-1,2-Dichloroethene	38.8800	5.0	0.67	50.0000	ND	77.8	44 - 119	8.45	20	
cis-1,3-Dichloropropene	41.9600	5.0	1.9	50.0000	ND	83.9	44 - 126	1.13	20	
Di-isopropyl ether	35.5300	5.0	0.55	50.0000	ND	71.1	42 - 126	5.40	20	
Dibromochloromethane	43.0200	5.0	1.0	50.0000	ND	86.0	46 - 119	1.18	20	
Dibromomethane	40.0000	5.0	1.6	50.0000	ND	80.0	52 - 114	1.64	20	
Dichlorodifluoromethane	46.5400	5.0	2.2	50.0000	ND	93.1	22 - 147	24.8	20	R
Ethyl Acetate	323.780	50	8.1	500.000	ND	64.8	9 - 140	8.35	20	
Ethyl Ether	364.070	50	6.1	500.000	ND	72.8	45 - 131	16.2	20	
Ethyl tert-butyl ether	30.5300	5.0	0.67	50.0000	ND	61.1	33 - 138	22.3	20	R
Ethylbenzene	81.3400	5.0	0.91	100.000	ND	81.3	38 - 131	12.3	20	
Freon-113	39.6200	5.0	2.8	50.0000	ND	79.2	38 - 140	26.3	20	R
Hexachlorobutadiene	44.4900	5.0	2.5	50.0000	ND	89.0	4 - 141	11.1	20	
Isopropylbenzene	43.3100	5.0	1.8	50.0000	ND	86.6	35 - 133	17.3	20	
m,p-Xylene	84.6700	10	1.5	100.000	ND	84.7	38 - 130	8.79	20	
Methylene chloride	37.1400	5.0	2.3	50.0000	ND	74.3	26 - 137	14.4	20	
MTBE	33.5500	5.0	0.63	50.0000	ND	67.1	45 - 121	9.98	20	
n-Butylbenzene	39.8800	5.0	2.4	50.0000	ND	79.8	18 - 144	21.6	20	R
n-Propylbenzene	39.4100	5.0	2.2	50.0000	ND	78.8	30 - 137	17.0	20	
Naphthalene	40.3200	5.0	0.97	50.0000	ND	80.6	14 - 137	8.16	20	
o-Xylene	83.2300	5.0	0.87	100.000	ND	83.2	41 - 129	4.57	20	
sec-Butylbenzene	41.9000	5.0	2.3	50.0000	ND	83.8	24 - 140	17.7	20	
Styrene	41.8900	5.0	1.5	50.0000	ND	83.8	41 - 125	0.476	20	
tert-Amyl methyl ether	28.1100	5.0	0.59	50.0000	ND	56.2	31 - 133	37.9	20	R
tert-Butanol	259.450	100	19	250.000	ND	104	0 - 201	36.7	20	R
tert-Butylbenzene	41.6800	5.0	2.0	50.0000	ND	83.4	30 - 134	15.6	20	
Tetrachloroethene	46.6500	5.0	1.6	50.0000	ND	93.3	37 - 130	20.1	20	R
Toluene	80.3100	5.0	0.94	100.000	ND	80.3	45 - 122	14.1	20	
trans-1,2-Dichloroethene	38.4300	5.0	0.59	50.0000	ND	76.9	46 - 122	14.4	20	
trans-1,3-Dichloropropene	40.1200	5.0	2.1	50.0000	ND	80.2	44 - 124	0.550	20	
Trichloroethene	43.8600	5.0	3.1	50.0000	ND	87.7	36 - 142	13.4	20	
Trichlorofluoromethane	36.4900	5.0	1.4	50.0000	ND	73.0	37 - 135	25.4	20	R
Vinyl acetate	157.470	50	9.8	500.000	ND	31.5	0 - 136	28.0	20	R
Vinyl chloride	35.8000	5.0	1.7	50.0000	ND	71.6	42 - 131	25.0	20	R
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>39.81</i>			<i>50.0000</i>		<i>79.6</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.72</i>			<i>50.0000</i>		<i>93.4</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>47.65</i>			<i>50.0000</i>		<i>95.3</i>	<i>65 - 137</i>			



Certificate of Analysis

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Report To : Robert Lovdahl
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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0002 - MSVOA_S (continued)

Matrix Spike Dup (B9C0002-MSD1) - Continued

Source: 1900795-22

Prepared: 3/1/2019 Analyzed: 3/1/2019

Surrogate: Toluene-d8	46.32		50.0000		92.6	82 - 119			
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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W

Blank (B9C0044-BLK1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.11							
1,1,1-Trichloroethane	ND	5.0	0.18							
1,1,2,2-Tetrachloroethane	ND	5.0	0.17							
1,1,2-Trichloroethane	ND	5.0	0.12							
1,1-Dichloroethane	ND	5.0	0.16							
1,1-Dichloroethene	ND	5.0	0.09							
1,1-Dichloropropene	ND	5.0	0.21							
1,2,3-Trichloropropane	ND	5.0	0.16							
1,2,3-Trichlorobenzene	ND	5.0	0.12							
1,2,4-Trichlorobenzene	ND	5.0	0.12							
1,2,4-Trimethylbenzene	ND	5.0	0.08							
1,2-Dibromo-3-chloropropane	ND	5.0	0.24							
1,2-Dibromoethane	ND	5.0	0.11							
1,2-Dichlorobenzene	ND	5.0	0.09							
1,2-Dichloroethane	ND	5.0	0.19							
1,2-Dichloropropane	ND	5.0	0.36							
1,3,5-Trimethylbenzene	ND	5.0	0.05							
1,3-Dichlorobenzene	ND	5.0	0.10							
1,3-Dichloropropane	ND	5.0	0.07							
1,4-Dichlorobenzene	ND	5.0	0.07							
2,2-Dichloropropane	ND	5.0	0.16							
2-Chlorotoluene	ND	5.0	0.08							
4-Chlorotoluene	ND	5.0	0.08							
4-Isopropyltoluene	ND	5.0	0.06							
Benzene	ND	5.0	0.03							
Bromobenzene	ND	5.0	0.09							
Bromochloromethane	ND	5.0	0.24							
Bromodichloromethane	ND	5.0	0.14							
Bromoform	ND	5.0	0.13							
Bromomethane	ND	5.0	0.42							
Carbon disulfide	ND	5.0	0.12							
Carbon tetrachloride	ND	5.0	0.19							
Chlorobenzene	ND	5.0	0.07							
Chloroethane	ND	5.0	0.40							
Chloroform	ND	5.0	0.17							
Chloromethane	ND	5.0	0.08							
cis-1,2-Dichloroethene	ND	5.0	0.13							
cis-1,3-Dichloropropene	ND	5.0	0.05							
Di-isopropyl ether	ND	5.0	0.12							
Dibromochloromethane	ND	5.0	0.14							
Dibromomethane	ND	5.0	0.10							



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

Blank (B9C0044-BLK1) - Continued

Prepared: 3/4/2019 Analyzed: 3/4/2019

Dichlorodifluoromethane	ND	5.0	0.10
Ethyl Acetate	ND	50	1.8
Ethyl Ether	ND	50	1.3
Ethyl tert-butyl ether	ND	5.0	0.11
Ethylbenzene	ND	5.0	0.07
Freon-113	ND	5.0	0.17
Hexachlorobutadiene	ND	5.0	0.14
Isopropylbenzene	ND	5.0	0.05
m,p-Xylene	ND	10	0.08
Methylene chloride	ND	5.0	0.46
MTBE	ND	5.0	0.12
n-Butylbenzene	ND	5.0	0.05
n-Propylbenzene	ND	5.0	0.07
Naphthalene	ND	5.0	0.15
o-Xylene	ND	5.0	0.05
sec-Butylbenzene	ND	5.0	0.04
Styrene	ND	5.0	0.06
tert-Amyl methyl ether	ND	5.0	0.11
tert-Butanol	ND	100	2.9
tert-Butylbenzene	ND	5.0	0.06
Tetrachloroethene	ND	5.0	0.07
Toluene	ND	5.0	0.07
trans-1,2-Dichloroethene	ND	5.0	0.11
trans-1,3-Dichloropropene	ND	5.0	0.04
Trichloroethene	ND	5.0	0.05
Trichlorofluoromethane	ND	5.0	0.14
Vinyl acetate	ND	50	1.3
Vinyl chloride	ND	5.0	0.05

<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.99		25.0000	104	69 - 124
<i>Surrogate: 4-Bromofluorobenzene</i>	25.99		25.0000	104	78 - 111
<i>Surrogate: Dibromofluoromethane</i>	26.61		25.0000	106	65 - 134
<i>Surrogate: Toluene-d8</i>	25.73		25.0000	103	78 - 117

LCS (B9C0044-BS1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,1,1,2-Tetrachloroethane	10.9900	5.0	0.11	10.0000	110	65 - 126
1,1,1-Trichloroethane	9.13000	5.0	0.18	10.0000	91.3	61 - 130
1,1,1,2-Tetrachloroethane	10.5200	5.0	0.17	10.0000	105	69 - 125
1,1,2-Trichloroethane	10.5700	5.0	0.12	10.0000	106	74 - 116
1,1-Dichloroethane	8.07000	5.0	0.16	10.0000	80.7	68 - 125
1,1-Dichloroethene	8.17000	5.0	0.09	10.0000	81.7	66 - 131
1,1-Dichloropropene	10.8400	5.0	0.21	10.0000	108	68 - 133



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

LCS (B9C0044-BS1) - Continued

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,2,3-Trichloropropane	10.4500	5.0	0.16	10.0000		104	70 - 119			
1,2,3-Trichlorobenzene	11.6400	5.0	0.12	10.0000		116	70 - 120			
1,2,4-Trichlorobenzene	10.8700	5.0	0.12	10.0000		109	78 - 114			
1,2,4-Trimethylbenzene	10.6600	5.0	0.08	10.0000		107	82 - 116			
1,2-Dibromo-3-chloropropane	12.2400	5.0	0.24	10.0000		122	43 - 129			
1,2-Dibromoethane	10.6300	5.0	0.11	10.0000		106	72 - 118			
1,2-Dichlorobenzene	10.3800	5.0	0.09	10.0000		104	85 - 111			
1,2-Dichloroethane	9.58000	5.0	0.19	10.0000		95.8	68 - 114			
1,2-Dichloropropane	9.86000	5.0	0.36	10.0000		98.6	75 - 116			
1,3,5-Trimethylbenzene	10.5700	5.0	0.05	10.0000		106	81 - 120			
1,3-Dichlorobenzene	10.1300	5.0	0.10	10.0000		101	85 - 111			
1,3-Dichloropropane	10.8000	5.0	0.07	10.0000		108	76 - 117			
1,4-Dichlorobenzene	10.1500	5.0	0.07	10.0000		102	85 - 108			
2,2-Dichloropropane	9.37000	5.0	0.16	10.0000		93.7	34 - 172			
2-Chlorotoluene	10.1200	5.0	0.08	10.0000		101	82 - 117			
4-Chlorotoluene	10.0200	5.0	0.08	10.0000		100	81 - 118			
4-Isopropyltoluene	10.5200	5.0	0.06	10.0000		105	85 - 115			
Benzene	20.3500	5.0	0.03	20.0000		102	84 - 111			
Bromobenzene	10.2800	5.0	0.09	10.0000		103	83 - 111			
Bromochloromethane	8.47000	5.0	0.24	10.0000		84.7	67 - 130			
Bromodichloromethane	10.1500	5.0	0.14	10.0000		102	65 - 124			
Bromoform	12.0100	5.0	0.13	10.0000		120	50 - 134			
Bromomethane	7.86000	5.0	0.42	10.0000		78.6	11 - 218			
Carbon disulfide	6.98000	5.0	0.12	10.0000		69.8	68 - 135			
Carbon tetrachloride	9.74000	5.0	0.19	10.0000		97.4	41 - 154			
Chlorobenzene	10.1500	5.0	0.07	10.0000		102	87 - 108			
Chloroethane	8.18000	5.0	0.40	10.0000		81.8	51 - 161			
Chloroform	9.51000	5.0	0.17	10.0000		95.1	70 - 121			
Chloromethane	11.5200	5.0	0.08	10.0000		115	24 - 166			
cis-1,2-Dichloroethene	8.49000	5.0	0.13	10.0000		84.9	73 - 123			
cis-1,3-Dichloropropene	11.7600	5.0	0.05	10.0000		118	66 - 122			
Di-isopropyl ether	9.62000	5.0	0.12	10.0000		96.2	60 - 128			
Dibromochloromethane	11.5400	5.0	0.14	10.0000		115	64 - 125			
Dibromomethane	10.1700	5.0	0.10	10.0000		102	77 - 109			
Dichlorodifluoromethane	7.86000	5.0	0.10	10.0000		78.6	58 - 122			
Ethyl Acetate	102.440	50	1.8	100.000		102	52 - 134			
Ethyl Ether	94.7600	50	1.3	100.000		94.8	61 - 144			
Ethyl tert-butyl ether	9.44000	5.0	0.11	10.0000		94.4	52 - 142			
Ethylbenzene	19.7100	5.0	0.07	20.0000		98.6	83 - 116			
Freon-113	9.36000	5.0	0.17	10.0000		93.6	67 - 140			
Hexachlorobutadiene	9.91000	5.0	0.14	10.0000		99.1	67 - 126			
Isopropylbenzene	11.0400	5.0	0.05	10.0000		110	85 - 118			



Certificate of Analysis

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

LCS (B9C0044-BS1) - Continued

Prepared: 3/4/2019 Analyzed: 3/4/2019

m,p-Xylene	21.0000	10	0.08	20.0000		105	82 - 122			
Methylene chloride	8.00000	5.0	0.46	10.0000		80.0	67 - 147			
MTBE	9.97000	5.0	0.12	10.0000		99.7	59 - 137			
n-Butylbenzene	10.0900	5.0	0.05	10.0000		101	82 - 118			
n-Propylbenzene	10.2100	5.0	0.07	10.0000		102	83 - 122			
Naphthalene	11.5000	5.0	0.15	10.0000		115	63 - 124			
o-Xylene	21.4900	5.0	0.05	20.0000		107	82 - 118			
sec-Butylbenzene	10.3800	5.0	0.04	10.0000		104	83 - 118			
Styrene	10.8400	5.0	0.06	10.0000		108	79 - 118			
tert-Amyl methyl ether	10.7400	5.0	0.11	10.0000		107	38 - 146			
tert-Butanol	74.9500	100	2.9	50.0000		150	30 - 147			L4
tert-Butylbenzene	10.7400	5.0	0.06	10.0000		107	84 - 114			
Tetrachloroethene	10.4600	5.0	0.07	10.0000		105	79 - 116			
Toluene	19.8100	5.0	0.07	20.0000		99.0	82 - 114			
trans-1,2-Dichloroethene	8.33000	5.0	0.11	10.0000		83.3	66 - 136			
trans-1,3-Dichloropropene	10.7000	5.0	0.04	10.0000		107	56 - 129			
Trichloroethene	10.3300	5.0	0.05	10.0000		103	77 - 111			
Trichlorofluoromethane	8.27000	5.0	0.14	10.0000		82.7	56 - 137			
Vinyl acetate	99.4300	50	1.3	100.000		99.4	58 - 160			
Vinyl chloride	9.09000	5.0	0.05	10.0000		90.9	63 - 129			

Surrogate: 1,2-Dichloroethane-d4

23.89

25.0000

95.6

69 - 124

Surrogate: 4-Bromofluorobenzene

25.91

25.0000

104

78 - 111

Surrogate: Dibromofluoromethane

24.18

25.0000

96.7

65 - 134

Surrogate: Toluene-d8

25.27

25.0000

101

78 - 117

LCS Dup (B9C0044-BSD1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,1,1,2-Tetrachloroethane	9.91000	5.0	0.11	10.0000		99.1	65 - 126	10.3	20	
1,1,1-Trichloroethane	8.37000	5.0	0.18	10.0000		83.7	61 - 130	8.69	20	
1,1,2,2-Tetrachloroethane	9.42000	5.0	0.17	10.0000		94.2	69 - 125	11.0	20	
1,1,2-Trichloroethane	9.65000	5.0	0.12	10.0000		96.5	74 - 116	9.10	20	
1,1-Dichloroethane	7.32000	5.0	0.16	10.0000		73.2	68 - 125	9.75	20	
1,1-Dichloroethene	7.44000	5.0	0.09	10.0000		74.4	66 - 131	9.35	20	
1,1-Dichloropropene	9.96000	5.0	0.21	10.0000		99.6	68 - 133	8.46	20	
1,2,3-Trichloropropane	9.31000	5.0	0.16	10.0000		93.1	70 - 119	11.5	20	
1,2,3-Trichlorobenzene	10.9700	5.0	0.12	10.0000		110	70 - 120	5.93	20	
1,2,4-Trichlorobenzene	10.2400	5.0	0.12	10.0000		102	78 - 114	5.97	20	
1,2,4-Trimethylbenzene	9.80000	5.0	0.08	10.0000		98.0	82 - 116	8.41	20	
1,2-Dibromo-3-chloropropane	10.7900	5.0	0.24	10.0000		108	43 - 129	12.6	20	
1,2-Dibromoethane	9.55000	5.0	0.11	10.0000		95.5	72 - 118	10.7	20	
1,2-Dichlorobenzene	9.67000	5.0	0.09	10.0000		96.7	85 - 111	7.08	20	
1,2-Dichloroethane	8.28000	5.0	0.19	10.0000		82.8	68 - 114	14.6	20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

LCS Dup (B9C0044-BSD1) - Continued

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,2-Dichloropropane	9.07000	5.0	0.36	10.0000		90.7	75 - 116	8.35	20	
1,3,5-Trimethylbenzene	9.70000	5.0	0.05	10.0000		97.0	81 - 120	8.58	20	
1,3-Dichlorobenzene	9.43000	5.0	0.10	10.0000		94.3	85 - 111	7.16	20	
1,3-Dichloropropane	9.80000	5.0	0.07	10.0000		98.0	76 - 117	9.71	20	
1,4-Dichlorobenzene	9.30000	5.0	0.07	10.0000		93.0	85 - 108	8.74	20	
2,2-Dichloropropane	8.78000	5.0	0.16	10.0000		87.8	34 - 172	6.50	20	
2-Chlorotoluene	9.23000	5.0	0.08	10.0000		92.3	82 - 117	9.20	20	
4-Chlorotoluene	9.24000	5.0	0.08	10.0000		92.4	81 - 118	8.10	20	
4-Isopropyltoluene	9.63000	5.0	0.06	10.0000		96.3	85 - 115	8.83	20	
Benzene	18.6200	5.0	0.03	20.0000		93.1	84 - 111	8.88	20	
Bromobenzene	9.28000	5.0	0.09	10.0000		92.8	83 - 111	10.2	20	
Bromochloromethane	7.76000	5.0	0.24	10.0000		77.6	67 - 130	8.75	20	
Bromodichloromethane	9.23000	5.0	0.14	10.0000		92.3	65 - 124	9.49	20	
Bromoform	10.6500	5.0	0.13	10.0000		106	50 - 134	12.0	20	
Bromomethane	7.68000	5.0	0.42	10.0000		76.8	11 - 218	2.32	20	
Carbon disulfide	6.37000	5.0	0.12	10.0000		63.7	68 - 135	9.14	20	L4
Carbon tetrachloride	8.91000	5.0	0.19	10.0000		89.1	41 - 154	8.90	20	
Chlorobenzene	9.24000	5.0	0.07	10.0000		92.4	87 - 108	9.39	20	
Chloroethane	7.93000	5.0	0.40	10.0000		79.3	51 - 161	3.10	20	
Chloroform	8.42000	5.0	0.17	10.0000		84.2	70 - 121	12.2	20	
Chloromethane	11.5500	5.0	0.08	10.0000		116	24 - 166	0.260	20	
cis-1,2-Dichloroethene	7.71000	5.0	0.13	10.0000		77.1	73 - 123	9.63	20	
cis-1,3-Dichloropropene	10.7400	5.0	0.05	10.0000		107	66 - 122	9.07	20	
Di-isopropyl ether	8.96000	5.0	0.12	10.0000		89.6	60 - 128	7.10	20	
Dibromochloromethane	10.4100	5.0	0.14	10.0000		104	64 - 125	10.3	20	
Dibromomethane	9.17000	5.0	0.10	10.0000		91.7	77 - 109	10.3	20	
Dichlorodifluoromethane	7.73000	5.0	0.10	10.0000		77.3	58 - 122	1.67	20	
Ethyl Acetate	95.6800	50	1.8	100.000		95.7	52 - 134	6.82	20	
Ethyl Ether	85.5500	50	1.3	100.000		85.6	61 - 144	10.2	20	
Ethyl tert-butyl ether	8.88000	5.0	0.11	10.0000		88.8	52 - 142	6.11	20	
Ethylbenzene	17.7700	5.0	0.07	20.0000		88.8	83 - 116	10.4	20	
Freon-113	8.33000	5.0	0.17	10.0000		83.3	67 - 140	11.6	20	
Hexachlorobutadiene	9.25000	5.0	0.14	10.0000		92.5	67 - 126	6.89	20	
Isopropylbenzene	9.97000	5.0	0.05	10.0000		99.7	85 - 118	10.2	20	
m,p-Xylene	19.3000	10	0.08	20.0000		96.5	82 - 122	8.44	20	
Methylene chloride	7.16000	5.0	0.46	10.0000		71.6	67 - 147	11.1	20	
MTBE	9.25000	5.0	0.12	10.0000		92.5	59 - 137	7.49	20	
n-Butylbenzene	9.30000	5.0	0.05	10.0000		93.0	82 - 118	8.15	20	
n-Propylbenzene	9.28000	5.0	0.07	10.0000		92.8	83 - 122	9.54	20	
Naphthalene	10.7400	5.0	0.15	10.0000		107	63 - 124	6.83	20	
o-Xylene	19.8000	5.0	0.05	20.0000		99.0	82 - 118	8.19	20	
sec-Butylbenzene	9.50000	5.0	0.04	10.0000		95.0	83 - 118	8.85	20	



Certificate of Analysis

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

LCS Dup (B9C0044-BSD1) - Continued

Prepared: 3/4/2019 Analyzed: 3/4/2019

Styrene	10.0600	5.0	0.06	10.0000		101	79 - 118	7.46	20	
tert-Amyl methyl ether	9.96000	5.0	0.11	10.0000		99.6	38 - 146	7.54	20	
tert-Butanol	60.9600	100	2.9	50.0000		122	30 - 147	20.6	20	R
tert-Butylbenzene	9.61000	5.0	0.06	10.0000		96.1	84 - 114	11.1	20	
Tetrachloroethene	9.29000	5.0	0.07	10.0000		92.9	79 - 116	11.8	20	
Toluene	18.0000	5.0	0.07	20.0000		90.0	82 - 114	9.57	20	
trans-1,2-Dichloroethene	7.61000	5.0	0.11	10.0000		76.1	66 - 136	9.03	20	
trans-1,3-Dichloropropene	9.64000	5.0	0.04	10.0000		96.4	56 - 129	10.4	20	
Trichloroethene	9.60000	5.0	0.05	10.0000		96.0	77 - 111	7.33	20	
Trichlorofluoromethane	7.33000	5.0	0.14	10.0000		73.3	56 - 137	12.1	20	
Vinyl acetate	92.7600	50	1.3	100.000		92.8	58 - 160	6.94	20	
Vinyl chloride	9.00000	5.0	0.05	10.0000		90.0	63 - 129	0.995	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>23.60</i>			<i>25.0000</i>		<i>94.4</i>	<i>69 - 124</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>26.18</i>			<i>25.0000</i>		<i>105</i>	<i>78 - 111</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>23.92</i>			<i>25.0000</i>		<i>95.7</i>	<i>65 - 134</i>			
<i>Surrogate: Toluene-d8</i>	<i>25.22</i>			<i>25.0000</i>		<i>101</i>	<i>78 - 117</i>			

Duplicate (B9C0044-DUP1)

Source: 1900788-01

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.11		ND				20	
1,1,1-Trichloroethane	ND	5.0	0.18		ND				20	
1,1,2,2-Tetrachloroethane	ND	5.0	0.17		ND				20	
1,1,2-Trichloroethane	ND	5.0	0.12		ND				20	
1,1-Dichloroethane	ND	5.0	0.16		ND				20	
1,1-Dichloroethene	ND	5.0	0.09		ND				20	
1,1-Dichloropropene	ND	5.0	0.21		ND				20	
1,2,3-Trichloropropane	ND	5.0	0.16		ND				20	
1,2,3-Trichlorobenzene	ND	5.0	0.12		ND				20	
1,2,4-Trichlorobenzene	ND	5.0	0.12		ND				20	
1,2,4-Trimethylbenzene	ND	5.0	0.08		ND				20	
1,2-Dibromo-3-chloropropane	ND	5.0	0.24		ND				20	
1,2-Dibromoethane	ND	5.0	0.11		ND				20	
1,2-Dichlorobenzene	ND	5.0	0.09		ND				20	
1,2-Dichloroethane	ND	5.0	0.19		ND				20	
1,2-Dichloropropane	ND	5.0	0.36		ND			NR	20	
1,3,5-Trimethylbenzene	ND	5.0	0.05		ND				20	
1,3-Dichlorobenzene	ND	5.0	0.10		ND				20	
1,3-Dichloropropane	ND	5.0	0.07		ND				20	
1,4-Dichlorobenzene	ND	5.0	0.07		ND				20	
2,2-Dichloropropane	ND	5.0	0.16		ND				20	
2-Chlorotoluene	ND	5.0	0.08		ND				20	
4-Chlorotoluene	ND	5.0	0.08		ND				20	



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

Duplicate (B9C0044-DUP1) - Continued

Source: 1900788-01

Prepared: 3/4/2019 Analyzed: 3/4/2019

4-Isopropyltoluene	ND	5.0	0.06		ND				20	
Benzene	0.150000	5.0	0.03		0.08			60.9	20	R
Bromobenzene	ND	5.0	0.09		ND				20	
Bromochloromethane	ND	5.0	0.24		ND				20	
Bromodichloromethane	ND	5.0	0.14		ND				20	
Bromoform	ND	5.0	0.13		ND				20	
Bromomethane	ND	5.0	0.42		ND				20	
Carbon disulfide	ND	5.0	0.12		ND				20	
Carbon tetrachloride	ND	5.0	0.19		ND				20	
Chlorobenzene	ND	5.0	0.07		ND				20	
Chloroethane	ND	5.0	0.40		ND				20	
Chloroform	ND	5.0	0.17		ND				20	
Chloromethane	ND	5.0	0.08		ND				20	
cis-1,2-Dichloroethene	ND	5.0	0.13		ND				20	
cis-1,3-Dichloropropene	ND	5.0	0.05		ND				20	
Di-isopropyl ether	ND	5.0	0.12		ND				20	
Dibromochloromethane	ND	5.0	0.14		ND				20	
Dibromomethane	ND	5.0	0.10		ND				20	
Dichlorodifluoromethane	ND	5.0	0.10		ND				20	
Ethyl Acetate	ND	50	1.8		ND			NR	20	
Ethyl Ether	ND	50	1.3		ND				20	
Ethyl tert-butyl ether	ND	5.0	0.11		ND				20	
Ethylbenzene	0.07	5.0	0.07		ND			NR	20	
Freon-113	ND	5.0	0.17		ND				20	
Hexachlorobutadiene	ND	5.0	0.14		ND				20	
Isopropylbenzene	ND	5.0	0.05		ND				20	
m,p-Xylene	ND	10	0.08		ND			NR	20	
Methylene chloride	ND	5.0	0.46		ND				20	
MTBE	0.290000	5.0	0.12		0.280000			3.51	20	
n-Butylbenzene	ND	5.0	0.05		ND				20	
n-Propylbenzene	ND	5.0	0.07		ND				20	
Naphthalene	ND	5.0	0.15		ND				20	
o-Xylene	ND	5.0	0.05		ND				20	
sec-Butylbenzene	ND	5.0	0.04		ND				20	
Styrene	ND	5.0	0.06		ND				20	
tert-Amyl methyl ether	ND	5.0	0.11		ND				20	
tert-Butanol	ND	100	2.9		ND				20	
tert-Butylbenzene	ND	5.0	0.06		ND				20	
Tetrachloroethene	ND	5.0	0.07		ND				20	
Toluene	0.170000	5.0	0.07		0.100000			51.9	20	R
trans-1,2-Dichloroethene	ND	5.0	0.11		ND				20	
trans-1,3-Dichloropropene	ND	5.0	0.04		ND				20	



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

Duplicate (B9C0044-DUP1) - Continued

Source: 1900788-01

Prepared: 3/4/2019 Analyzed: 3/4/2019

Trichloroethene	ND	5.0	0.05		ND				20	
Trichlorofluoromethane	ND	5.0	0.14		ND				20	
Vinyl acetate	ND	50	1.3		ND				20	
Vinyl chloride	ND	5.0	0.05		ND				20	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	27.83			25.0000		111	69 - 124			
<i>Surrogate: 4-Bromofluorobenzene</i>	26.00			25.0000		104	78 - 111			
<i>Surrogate: Dibromofluoromethane</i>	28.36			25.0000		113	65 - 134			
<i>Surrogate: Toluene-d8</i>	25.94			25.0000		104	78 - 117			

Duplicate (B9C0044-DUP2)

Source: 1900815-24

Prepared: 3/4/2019 Analyzed: 3/4/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.11		ND				20	
1,1,1-Trichloroethane	ND	5.0	0.18		ND				20	
1,1,2,2-Tetrachloroethane	ND	5.0	0.17		ND				20	
1,1,2-Trichloroethane	ND	5.0	0.12		ND				20	
1,1-Dichloroethane	ND	5.0	0.16		ND				20	
1,1-Dichloroethene	ND	5.0	0.09		ND				20	
1,1-Dichloropropene	ND	5.0	0.21		ND				20	
1,2,3-Trichloropropane	ND	5.0	0.16		ND				20	
1,2,3-Trichlorobenzene	ND	5.0	0.12		ND				20	
1,2,4-Trichlorobenzene	ND	5.0	0.12		ND				20	
1,2,4-Trimethylbenzene	ND	5.0	0.08		ND				20	
1,2-Dibromo-3-chloropropane	ND	5.0	0.24		ND				20	
1,2-Dibromoethane	ND	5.0	0.11		ND				20	
1,2-Dichlorobenzene	ND	5.0	0.09		ND				20	
1,2-Dichloroethane	ND	5.0	0.19		ND				20	
1,2-Dichloropropane	ND	5.0	0.36		ND				20	
1,3,5-Trimethylbenzene	ND	5.0	0.05		ND				20	
1,3-Dichlorobenzene	ND	5.0	0.10		ND				20	
1,3-Dichloropropane	ND	5.0	0.07		ND				20	
1,4-Dichlorobenzene	ND	5.0	0.07		ND				20	
2,2-Dichloropropane	ND	5.0	0.16		ND				20	
2-Chlorotoluene	ND	5.0	0.08		ND				20	
4-Chlorotoluene	ND	5.0	0.08		ND				20	
4-Isopropyltoluene	ND	5.0	0.06		ND				20	
Benzene	ND	5.0	0.03		ND				20	
Bromobenzene	ND	5.0	0.09		ND				20	
Bromochloromethane	ND	5.0	0.24		ND				20	
Bromodichloromethane	ND	5.0	0.14		ND				20	
Bromoform	ND	5.0	0.13		ND				20	
Bromomethane	ND	5.0	0.42		ND				20	
Carbon disulfide	ND	5.0	0.12		ND				20	



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

Duplicate (B9C0044-DUP2) - Continued

Source: 1900815-24

Prepared: 3/4/2019 Analyzed: 3/4/2019

Carbon tetrachloride	ND	5.0	0.19		ND				20	
Chlorobenzene	ND	5.0	0.07		ND				20	
Chloroethane	ND	5.0	0.40		ND				20	
Chloroform	ND	5.0	0.17		ND				20	
Chloromethane	ND	5.0	0.08		ND				20	
cis-1,2-Dichloroethene	ND	5.0	0.13		ND				20	
cis-1,3-Dichloropropene	ND	5.0	0.05		ND				20	
Di-isopropyl ether	ND	5.0	0.12		ND				20	
Dibromochloromethane	ND	5.0	0.14		ND				20	
Dibromomethane	ND	5.0	0.10		ND				20	
Dichlorodifluoromethane	ND	5.0	0.10		ND				20	
Ethyl Acetate	ND	50	1.8		ND				20	
Ethyl Ether	ND	50	1.3		ND				20	
Ethyl tert-butyl ether	ND	5.0	0.11		ND				20	
Ethylbenzene	ND	5.0	0.07		ND				20	
Freon-113	ND	5.0	0.17		ND				20	
Hexachlorobutadiene	ND	5.0	0.14		ND				20	
Isopropylbenzene	ND	5.0	0.05		ND				20	
m,p-Xylene	ND	10	0.08		ND				20	
Methylene chloride	ND	5.0	0.46		ND				20	
MTBE	ND	5.0	0.12		ND				20	
n-Butylbenzene	ND	5.0	0.05		ND				20	
n-Propylbenzene	ND	5.0	0.07		ND				20	
Naphthalene	ND	5.0	0.15		ND				20	
o-Xylene	ND	5.0	0.05		ND				20	
sec-Butylbenzene	ND	5.0	0.04		ND				20	
Styrene	ND	5.0	0.06		ND				20	
tert-Amyl methyl ether	ND	5.0	0.11		ND				20	
tert-Butanol	ND	100	2.9		ND				20	
tert-Butylbenzene	ND	5.0	0.06		ND				20	
Tetrachloroethene	ND	5.0	0.07		ND				20	
Toluene	ND	5.0	0.07		ND				20	
trans-1,2-Dichloroethene	ND	5.0	0.11		ND				20	
trans-1,3-Dichloropropene	ND	5.0	0.04		ND				20	
Trichloroethene	ND	5.0	0.05		ND				20	
Trichlorofluoromethane	ND	5.0	0.14		ND				20	
Vinyl acetate	ND	50	1.3		ND				20	
Vinyl chloride	ND	5.0	0.05		ND				20	

Surrogate: 1,2-Dichloroethane-d4	27.71	25.0000	111	69 - 124
Surrogate: 4-Bromofluorobenzene	26.25	25.0000	105	78 - 111
Surrogate: Dibromofluoromethane	28.56	25.0000	114	65 - 134



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0044 - MSVOA_W (continued)

Duplicate (B9C0044-DUP2) - Continued

Source: 1900815-24

Prepared: 3/4/2019 Analyzed: 3/4/2019

Surrogate: Toluene-d8

27.22

25.0000

109

78 - 117



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/07/2019

Notes and Definitions

S10	Surrogate recovery was outside of laboratory acceptance limit due to possible matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L13	Laboratory control sample outside of acceptance limit.
D5	Sample diluted due to failing internal standard in the original run.
D1	Sample required dilution due to possible matrix interference.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.



1508 East 33rd Street
 Signal Hill, CA 90755
 Toll: 888-207-2022
 Tel: 562-206-2770
 Fax: 562-206-2773

Advanced Technology Laboratories
 3275 Walnut Avenue
 Signal Hill CA 90755-5225
 Attn.: Rachelle Arada

Report Number 1934476

Date Received 02/28/2019

Date Analyzed 03/07/2019

Date Reported 03/07/2019

Project Number

Project Name Lab Analysis

Location

PO Number SC13547

WO Number 1900795

Date Sampled 02/27/2019

Sampled By SAG/RAL

Total Samples 8

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1934476-001 1900795-17	LB8-1 Soil, Brown Note: Qualitative Analysis	LAYER 1 100%	Quartz Mica Other Non-Fibrous Minerals	Present Present Present	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1934476-002 1900795-18	LB8-3 Soil, Brown Note: Qualitative Analysis	LAYER 1 100%	Quartz Mica Other Non-Fibrous Minerals	Present Present Present	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1934476-003 1900795-24	LB9-1 Soil, Dk. Brown Note: Qualitative Analysis	LAYER 1 100%	Clay Minerals Quartz Mica Other Non-Fibrous Minerals	Present Present Present Present	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1934476-004 1900795-25	LB9-3 Soil, Brown Note: Qualitative Analysis	LAYER 1 100%	Clay Minerals Quartz Mica Other Non-Fibrous Minerals	Present Present Present Present	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1934476-005 1900795-34	LB12-1 Soil, Brown Note: Qualitative Analysis	LAYER 1 100%	Quartz Mica Other Non-Fibrous Minerals	Present Present Present	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill CA 90755-5225
Attn.: Rachelle Arada

Report Number 1934476

Date Received 02/28/2019

Date Analyzed 03/07/2019

Date Reported 03/07/2019

Project Number

Project Name Lab Analysis

Location

PO Number SC13547

WO Number 1900795

Date Sampled 02/27/2019

Sampled By SAG/RAL

Total Samples 8

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1934476-006 1900795-35	LB12-3 Soil, Dk. Brown Note: Qualitative Analysis	LAYER 1 100%	Quartz Mica Other Non-Fibrous Minerals	Present Present Present	None Detected	
Asbestos Present: No			Total % Non-Asbestos:	100.0%	Total %Asbestos: No Asbestos Detected	
1934476-007 1900795-36	LB13-1 Soil, Dk. Brown Note: Qualitative Analysis	LAYER 1 100%	Clay Minerals Quartz Mica Other Non-Fibrous Minerals	Present Present Present Present	None Detected	
Asbestos Present: No			Total % Non-Asbestos:	100.0%	Total %Asbestos: No Asbestos Detected	
1934476-008 1900795-37	LB13-3 Soil, Dk. Brown Note: Qualitative Analysis	LAYER 1 100%	Clay Minerals Quartz Mica Other Non-Fibrous Minerals	Present Present Present Present	None Detected	
Asbestos Present: No			Total % Non-Asbestos:	100.0%	Total %Asbestos: No Asbestos Detected	

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappellear

Approved Signatory Cristina E. Tabatt




ADVANCED TECHNOLOGY
 LABORATORIES

1934476

SUBCONTRACT ORDER

Work Order: 1900795

SENDING LABORATORY:

Advanced Technology Laboratories
 3275 Walnut Avenue
 Signal Hill, CA 90755
 Phone: 562.989.4045
 Fax: 562.989.6348
 Project Manager: Rachele Arada
 Sampler: SAG/RAL

RECEIVING LABORATORY:

AQ Environmental Laboratories
 1508 E. 33rd Street
 Signal Hill, CA 90755
 Phone : (562) 206-2770
 Fax: (562) 206-2773
 PO#: SC13547- STANDARD TAT *Jm*

(Rachele@atglobal.com)

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1900795-17 / LB8-1 Asbestos_PLM_SUB [Asbestos PLM] 1-Glass Jar - 2 oz	03/07/19 17:00	08/26/19 09:57	02/27/19 09:57	
ATL Lab#: 1900795-18 / LB8-3 Asbestos_PLM_SUB [Asbestos PLM] 1-Glass Jar - 2 oz	03/07/19 17:00	08/26/19 10:00	02/27/19 10:00	
ATL Lab#: 1900795-24 / LB9-1 Asbestos_PLM_SUB [Asbestos PLM] 1-Glass Jar - 2 oz	03/07/19 17:00	08/26/19 10:40	02/27/19 10:40	
ATL Lab#: 1900795-25 / LB9-3 Asbestos_PLM_SUB [Asbestos PLM] 1-Glass Jar - 2 oz	03/07/19 17:00	08/26/19 10:45	02/27/19 10:45	

Released By *Jm* Date 2/28/19 Received By *Jm* Date 2/28/19 10:36

Released By _____ Date _____ Received By _____ Date _____

CHAIN OF CUSTODY RECORD

Page 3 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only
ATLCCOC VFC-003/07/15

Method of Transport: AIR OVI/ICE Other: _____

Sample Conditions Upon Receipt: Y N N

Client: I. CHILLED Y N
 F. FRESH Y N
 G. GASEOUS Y N
 H. HAZARDOUS Y N
 I. IRRADIATED Y N
 J. JETTED Y N
 K. KETTED Y N
 L. LIQUID Y N
 M. MASHED Y N
 N. N/A Y N
 O. OTHER Y N
 P. PULVERIZED Y N
 Q. QUANTIFIED Y N
 R. REFRIGERATED Y N
 S. SOLID Y N
 T. THERMALLY STABLE Y N
 U. UNIDENTIFIED Y N
 V. VAPOR Y N
 W. WET Y N
 X. XENON Y N
 Y. YIELD Y N
 Z. ZINC Y N

Company: LEIGHTON AND ASSOCIATES, INC. Address: 17781 COWAN CITY: IRVINE State: CA Zip: 92614 Tel: (949) 253-9836 Fax: (949) 250-1114

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Company: LEIGHTON AND ASSOCIATES, INC. Address: 17781 COWAN CITY: IRVINE State: CA Zip: 92614 Tel: (949) 253-9836 Fax: (949) 250-1114

ITEM	Lab No.	Sample ID / Location	Sample Description	Date	Time	Requested Analysis	TPH GC - 8015M	VOCs - 8260B	LEAD - 6010	METALS - 6010/7471A	PCBs - 8082	OCPS - 8081A	Abtestes Pm	HOLD	Soil	Water	Wastewater	Non-aqueous Liquid	Custom Matrix	Container	Material Class, Storage & Handling	QA/QC
1	1900795-21	LB6-5		2-27-19	1446		XX													515		X
2	-22	LB7-1			1010		XX													12		
3	-23	LB7-5			1015		XX													12		
4	-24	LB9-1			1040		XX													12		
5	-25	LB9-3			1045		XX													12		
6	-26	LB10-1			1100															12		
7	-27	LB10-5			1103															12		
8	-28	LB10-10			1105															12		
9	-29	LB10-15			1107															12		
10	-30	LB10-20			1109															12		

As the authorized agent of the company above, I hereby guarantee laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Rob Lovell
Submitter Print Name
Submitter Signature

Date: 2/27/19
Date: 2/27/19
Date: 2/27/19

ITEM	Lab No.	Sample ID / Location	Sample Description	Date	Time	Requested Analysis	TPH GC - 8015M	VOCs - 8260B	LEAD - 6010	METALS - 6010/7471A	PCBs - 8082	OCPS - 8081A	Abtestes Pm	HOLD	Soil	Water	Wastewater	Non-aqueous Liquid	Custom Matrix	Container	Material Class, Storage & Handling	QA/QC
1	1900795-21	LB6-5		2-27-19	1446		XX													515		X
2	-22	LB7-1			1010		XX													12		
3	-23	LB7-5			1015		XX													12		
4	-24	LB9-1			1040		XX													12		
5	-25	LB9-3			1045		XX													12		
6	-26	LB10-1			1100															12		
7	-27	LB10-5			1103															12		
8	-28	LB10-10			1105															12		
9	-29	LB10-15			1107															12		
10	-30	LB10-20			1109															12		

1. Sample received: 7:30 AM to 7:30 PM Monday - Friday, Saturday 8:00 AM to 11:00 PM
 2. Samples submitted after 8:00 PM are considered received the following business day at 8:00 AM
 3. The following turnaround time conditions apply:
 TAT-0: 100% Surcharge 3AM, BUSINESS DAY // received by 9:00 AM
 TAT-1: 100% Surcharge 4PM, BUSINESS DAY (COB: 5:00 PM)
 TAT-2: 50% Surcharge 2ND BUSINESS DAY (COB: 5:00 PM)
 TAT-3: 10% Surcharge 3RD BUSINESS DAY (COB: 5:00 PM)
 TAT-4: 20% Surcharge 4TH BUSINESS DAY (COB: 5:00 PM)
 TAT-5: NO SURCHARGE 5TH BUSINESS DAY (COB: 5:00 PM)
 4. Weekend, holiday, after-hours work - ask for quote.
 5. Subcontract TAT 9-10-15 business days. Projects requiring shorter TATs will incur a surcharge, respective to the subcontract lab - ask for quote.
 6. Liquid and solid samples will be stored after 48 calendar days from receipt of samples; 27 samples will be disposed after 24 calendar days after receipt of samples.
 7. Electronic records maintained for five (5) years from report date.
 8. Hard copy reports will be shipped after 45 calendar days from report date.
 9. Storage and Report Fees
 Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or holds are required.
 All samples: Complimentary storage for ninety (90) calendar days from receipt of samples; \$20/sample/week if extended storage is required.
 Hold fees and expedited reports (EOD): \$175.00 per hold day report requested; \$50.00 per expedited/hold requested report; \$35 per report expedited.
 10. Each TSP/OTIC campaign adds 2 days to analysis TAT for execution procedure.
 11. Unanalyzed samples will incur a disposal fee of \$7 per sample.



714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton and Associates, Inc.	Report date:	3/5/2019
Client Address:	17781 Cowan Irvine, CA 92614	Jones Ref. No.:	F-0239
		Client Ref. No.:	12289.002
Attn:	Robert Lovdahl	Date Sampled:	3/1/2019
		Date Received:	3/1/2019
Project:	Toll Brothers Phase II ESA	Date Analyzed:	3/1/2019
Project Address:	26126 Victoria Blvd. Capistrano Beach, CA 92624	Physical State:	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of sampling.

Approval:

Angela Haar, Ph. D.
Mobile Lab Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Leighton and Associates, Inc.	Report date:	3/5/2019
Client Address:	17781 Cowan Irvine, CA 92614	Jones Ref. No.:	F-0239
		Client Ref. No.:	12289.002
Attn:	Robert Lovdahl	Date Sampled:	3/1/2019
		Date Received:	3/1/2019
Project:	Toll Brothers Phase II ESA	Date Analyzed:	3/1/2019
Project Address:	26126 Victoria Blvd. Capistrano Beach, CA 92624	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB1-5	LB1-11.5	LB1-11.5 REP	LB2-5	LB3-5		
<u>Jones ID:</u>	F-0239-01	F-0239-02	F-0239-03	F-0239-04	F-0239-05	<u>Reporting Limit</u>	<u>Units</u>
Analytes:							
Benzene	9	ND	ND	ND	ND	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB1-5	LB1-11.5	LB1-11.5 REP	LB2-5	LB3-5		
<u>Jones ID:</u>	F-0239-01	F-0239-02	F-0239-03	F-0239-04	F-0239-05	<u>Reporting Limit</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	31	21	17	ND	9	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	39	8	µg/m3
Toluene	122	104	90	ND	38	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	30	21	14	ND	8	8	µg/m3
1,3,5-Trimethylbenzene	10	ND	ND	31	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	93	67	58	ND	37	16	µg/m3
o-Xylene	36	28	23	41	13	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	109%	106%	107%	103%	109%	60 - 140	
Toluene-d ₈	97%	97%	98%	97%	97%	60 - 140	
4-Bromofluorobenzene	89%	91%	93%	90%	90%	60 - 140	
<u>Batch ID:</u>	F1-030119-01	F1-030119-01	F1-030119-01	F1-030119-01	F1-030119-01		

ND = Value below reporting limit



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Leighton and Associates, Inc.
Client Address: 17781 Cowan
Irvine, CA 92614

Report date: 3/5/2019
Jones Ref. No.: F-0239
Client Ref. No.: 12289.002

Attn: Robert Lovdahl
Project: Toll Brothers Phase II ESA
Project Address: 26126 Victoria Blvd.
Capistrano Beach, CA 92624

Date Sampled: 3/1/2019
Date Received: 3/1/2019
Date Analyzed: 3/1/2019
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB3-11.5	LB4-5	LB5-5	LB6-5	LB7-5		
<u>Jones ID:</u>	F-0239-06	F-0239-07	F-0239-08	F-0239-09	F-0239-10	<u>Reporting Limit</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	9	16	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB3-11.5	LB4-5	LB5-5	LB6-5	LB7-5		
<u>Jones ID:</u>	F-0239-06	F-0239-07	F-0239-08	F-0239-09	F-0239-10	<u>Reporting Limit</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	141	948	821	871	ND	8	µg/m3
Toluene	ND	55	13	19	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	9	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	9	ND	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	ND	24	ND	20	ND	16	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	109%	112%	108%	107%	107%	60 - 140	
Toluene-d ₈	97%	97%	97%	98%	97%	60 - 140	
4-Bromofluorobenzene	88%	91%	90%	91%	89%	60 - 140	
<u>Batch ID:</u>	F1-030119-01	F1-030119-01	F1-030119-01	F1-030119-01	F1-030119-01		

ND = Value below reporting limit



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Client: Leighton and Associates, Inc.
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Report date: 3/5/2019
Jones Ref. No.: F-0239
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Attn: Robert Lovdahl
Project: Toll Brothers Phase II ESA
Project Address: 26126 Victoria Blvd.
Capistrano Beach, CA 92624

Date Sampled: 3/1/2019
Date Received: 3/1/2019
Date Analyzed: 3/1/2019
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB12-5	LB10-5	LB10-10	LB11-5	LB14-5		
<u>Jones ID:</u>	F-0239-11	F-0239-12	F-0239-13	F-0239-14	F-0239-15	<u>Reporting Limit</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	31	ND	ND	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	14	3240	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	528	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	31	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	6000	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	LB12-5	LB10-5	LB10-10	LB11-5	LB14-5		
<u>Jones ID:</u>	F-0239-11	F-0239-12	F-0239-13	F-0239-14	F-0239-15	<u>Reporting Limit</u>	<u>Units</u>
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	20	76	76	36	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	116	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	ND	758	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8	µg/m3
Naphthalene	ND	ND	ND	1010	ND	40	µg/m3
n-Propylbenzene	ND	14	ND	234	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8	µg/m3
Toluene	68	200	347	33	126	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	22	77	134	37400	15	8	µg/m3
1,3,5-Trimethylbenzene	ND	28	60	27300	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	78	258	259	2800	ND	16	µg/m3
o-Xylene	25	88	78	104	ND	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	109%	107%	106%	109%	111%	60 - 140	
Toluene-d8	96%	95%	100%	109%	95%	60 - 140	
4-Bromofluorobenzene	90%	88%	95%	108%	86%	60 - 140	
<u>Batch ID:</u>	F1-030119-01	F1-030119-01	F1-030119-01	F1-030119-01	F1-030119-01		

ND = Value below reporting limit



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Attn: Robert Lovdahl
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Project Address: 26126 Victoria Blvd.
Capistrano Beach, CA 92624

Date Sampled: 3/1/2019
Date Received: 3/1/2019
Date Analyzed: 3/1/2019
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID: LB15-5

Jones ID: F-0239-16

<u>Analytes:</u>		<u>Reporting Limit</u>	<u>Units</u>
Benzene	ND	8	µg/m3
Bromobenzene	ND	8	µg/m3
Bromodichloromethane	ND	8	µg/m3
Bromoform	ND	8	µg/m3
n-Butylbenzene	ND	12	µg/m3
sec-Butylbenzene	ND	12	µg/m3
tert-Butylbenzene	ND	12	µg/m3
Carbon tetrachloride	ND	8	µg/m3
Chlorobenzene	ND	8	µg/m3
Chloroform	ND	8	µg/m3
2-Chlorotoluene	ND	12	µg/m3
4-Chlorotoluene	ND	12	µg/m3
Dibromochloromethane	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	8	µg/m3
Dibromomethane	ND	8	µg/m3
1,2- Dichlorobenzene	ND	16	µg/m3
1,3-Dichlorobenzene	ND	16	µg/m3
1,4-Dichlorobenzene	ND	16	µg/m3
Dichlorodifluoromethane	ND	16	µg/m3
1,1-Dichloroethane	ND	8	µg/m3
1,2-Dichloroethane	ND	8	µg/m3
1,1-Dichloroethene	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	8	µg/m3
1,2-Dichloropropane	ND	8	µg/m3
1,3-Dichloropropane	ND	8	µg/m3
2,2-Dichloropropane	ND	16	µg/m3
1,1-Dichloropropene	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID: LB15-5

Jones ID: F-0239-16

		<u>Reporting Limit</u>	<u>Units</u>
Analytes:			
cis-1,3-Dichloropropene	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	8	µg/m3
Ethylbenzene	13	8	µg/m3
Freon 113	ND	16	µg/m3
Hexachlorobutadiene	ND	24	µg/m3
Isopropylbenzene	ND	8	µg/m3
4-Isopropyltoluene	ND	8	µg/m3
Methylene chloride	ND	8	µg/m3
Naphthalene	ND	40	µg/m3
n-Propylbenzene	ND	8	µg/m3
Styrene	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	16	µg/m3
Tetrachloroethene	ND	8	µg/m3
Toluene	71	8	µg/m3
1,2,3-Trichlorobenzene	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	16	µg/m3
1,1,1-Trichloroethane	ND	8	µg/m3
1,1,2-Trichloroethane	ND	8	µg/m3
Trichloroethene	ND	8	µg/m3
Trichlorofluoromethane	ND	16	µg/m3
1,2,3-Trichloropropane	ND	8	µg/m3
1,2,4-Trimethylbenzene	24	8	µg/m3
1,3,5-Trimethylbenzene	11	8	µg/m3
Vinyl chloride	ND	8	µg/m3
m,p-Xylene	47	16	µg/m3
o-Xylene	17	8	µg/m3
MTBE	ND	40	µg/m3
Ethyl-tert-butylether	ND	40	µg/m3
Di-isopropylether	ND	40	µg/m3
tert-amylmethylether	ND	40	µg/m3
tert-Butylalcohol	ND	400	µg/m3
Tracer:			
n-Pentane	ND	80	µg/m3
n-Hexane	ND	80	µg/m3
n-Heptane	ND	80	µg/m3
Dilution Factor	1		
Surrogate Recoveries:			
Dibromofluoromethane	113%	60 - 140	<u>QC Limits</u>
Toluene-d ₈	96%	60 - 140	
4-Bromofluorobenzene	89%	60 - 140	

Batch ID: F1-030119-01

ND = Value below reporting limit



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Leighton and Associates, Inc.
Client Address: 17781 Cowan
Irvine, CA 92614

Report date: 3/5/2019
Jones Ref. No.: F-0239
Client Ref. No.: 12289.002

Attn: Robert Lovdahl
Project: Toll Brothers Phase II ESA
Project Address: 26126 Victoria Blvd.
Capistrano Beach, CA 92624

Date Sampled: 3/1/2019
Date Received: 3/1/2019
Date Analyzed: 3/1/2019
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD	SAMPLING		
	BLANK	BLANK		
<u>Jones ID:</u>	030119- F1MB1	030119- F1SB1	<u>Reporting Limit</u>	<u>Units</u>
Analytes:				
Benzene	ND	ND	8	µg/m3
Bromobenzene	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	8	µg/m3
Bromoform	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	8	µg/m3
Chloroform	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	8	µg/m3
Dibromomethane	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	16	µg/m3
1,1-Dichloroethane	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	10	µg/m3

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD	SAMPLING		
	BLANK	BLANK		
<u>Jones ID:</u>	030119- F1MB1	030119- F1SB1	<u>Reporting Limit</u>	<u>Units</u>
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	8	µg/m3
Freon 113	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	8	µg/m3
Methylene chloride	ND	ND	8	µg/m3
Naphthalene	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	8	µg/m3
Styrene	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	8	µg/m3
Toluene	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	8	µg/m3
Trichloroethene	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	16	µg/m3
o-Xylene	ND	ND	8	µg/m3
MTBE	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	400	µg/m3
Tracer:				
n-Pentane	ND	ND	80	µg/m3
n-Hexane	ND	ND	80	µg/m3
n-Heptane	ND	ND	80	µg/m3
<u>Dilution Factor</u>	1	1		
<u>Surrogate Recoveries:</u>			<u>QC Limits</u>	
Dibromofluoromethane	108%	106%	60 - 140	
Toluene-d ₈	99%	99%	60 - 140	
4-Bromofluorobenzene	91%	93%	60 - 140	
<u>Batch ID:</u>	F1-030119- 01	F1-030119- 01		

ND = Value below reporting limit



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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Leighton and Associates, Inc.	Report date:	3/5/2019
Client Address:	17781 Cowan Irvine, CA 92614	Jones Ref. No.:	F-0239
		Client Ref. No.:	12289.002
Attn:	Robert Lovdahl	Date Sampled:	3/1/2019
		Date Received:	3/1/2019
Project:	Toll Brothers Phase II ESA	Date Analyzed:	3/1/2019
Project Address:	26126 Victoria Blvd. Capistrano Beach, CA 92624	Physical State:	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID: F1-030119-01

Jones ID: **030119-FILCS1** **030119-FILCSD1** **030119-F1CCV1**

<u>Parameter</u>	LCS Recovery (%)	LCSD Recovery (%)	<u>RPD</u>	Acceptability Range (%)	<u>CCV</u>	Acceptability Range (%)
Vinyl chloride	92%	90%	1.5%	60 - 140	104%	80 - 120
1,1-Dichloroethene	89%	89%	0.5%	60 - 140	90%	80 - 120
Cis-1,2-Dichloroethene	96%	97%	1.5%	70 - 130	91%	80 - 120
1,1,1-Trichloroethane	100%	101%	1.3%	70 - 130	92%	80 - 120
Benzene	109%	110%	1.2%	70 - 130	102%	80 - 120
Trichloroethene	102%	106%	3.7%	70 - 130	96%	80 - 120
Toluene	101%	103%	2.6%	70 - 130	91%	80 - 120
Tetrachloroethene	110%	113%	2.6%	70 - 130	98%	80 - 120
Chlorobenzene	101%	104%	2.3%	70 - 130	91%	80 - 120
Ethylbenzene	102%	106%	3.3%	70 - 130	92%	80 - 120
1,2,4 Trimethylbenzene	111%	114%	3.0%	70 - 130	97%	80 - 120
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	107%	106%		60 - 140	107%	60 - 140
Toluene-d ₈	97%	98%		60 - 140	99%	60 - 140
4-Bromofluorobenzene	98%	104%		60 - 140	100%	60 - 140

LCS = Laboratory Control Sample
 LCSD = Laboratory Control Sample Duplicate
 CCV = Continuing Calibration Verification
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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Soil-Gas Chain-of-Custody Record

Client
 Leighton and Associates, Inc.

Project Name
 Toll Brothers Phase II ESA

Project Address
 26126 Victoria Blvd.
 Capistrano Beach, CA 92624

Email

Phone

Report To **Sampler**
 Jackson Nestor

Date
 3/1/2019

Client Project #
 12289.002

Turn Around Requested
 Immediate Attention
 Rush 24 Hours
 Rush 48 Hours
 Rush 72 Hours
 Normal
 Mobile Lab

Reporting Limits
 Standard Low Level* MDL*
 *surcharge for these limits

Purge Number:
 1P 3P 7P 10P

Shut-In Test: Y / N

Report Options
 EDD _____
 EDF* - 10% Surcharge _____

*Global ID _____

LAB USE ONLY

Jones Project #
F-0239

Page
 1 of 2

Sample Container:
 GASTIGHT GLASS SYRINGE
 If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	Gasoline Range Organics	Magnehelic Vacuum (In/H ₂ O)	Number of Containers	Notes & Special Instructions
LB1-5	3	1630	3/1/19	7:20	7:22	F-0239-01	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB1-11.5	3	1730	3/1/19	7:35	7:39	F-0239-02	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB1-11.5 REP	3	1730	3/1/19	7:51	7:56	F-0239-03	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB2-5	3	3280	3/1/19	8:09	8:13	F-0239-04	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB3-5	3	1630	3/1/19	9:04	9:06	F-0239-05	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB3-11.5	3	1730	3/1/19	8:45	8:47	F-0239-06	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB4-5	3	1310	3/1/19	13:20	13:29	F-0239-07	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB5-5	3	3280	3/1/19	9:45	9:47	F-0239-08	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB6-5	3	3280	3/1/19	10:06	10:07	F-0239-09	~200	ANGELA.1	M100.151	SG	X		<2	1	
LB7-5	3	1630	3/1/19	10:24	10:26	F-0239-10	~200	ANGELA.1	M100.151	SG	X		<2	1	

Representative Signature Company Leighton	Printed Name Sabrina Gonzalez Date 3-1-19 Time 14:10	Laboratory Signature Company JONES ENVIRONMENTAL, INC.	Printed Name Jackson Nestor Date 3/1/2019 Time 14:10	10 Total Number of Containers
Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.				



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 Fax (714) 449-9685
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Soil-Gas Chain-of-Custody Record

Client
 Leighton and Associates, Inc.

Project Name
 Toll Brothers Phase II ESA

Project Address
 26126 Victoria Blvd.

Capistrano Beach, CA 92624

Email

Phone

Report To **Sampler**
 Jackson Nestor

Date
 3/1/2019

Client Project #
 12289.002

Turn Around Requested

Immediate Attention
 Rush 24 Hours
 Rush 48 Hours
 Rush 72 Hours
 Normal
 Mobile Lab

Reporting Limits

Standard Low Level* MDL* **Units**
 *surcharge for these limits

Purge Number:
 1P 3P 7P 10P

Shut-In Test: Y / N

Report Options
 EDD _____
 EDF* - 10% Surcharge _____
 *Global ID _____

LAB USE ONLY

Jones Project #
 F-0239

Page
 2 of 2

Sample Container:
 GASTIGHT GLASS SYRINGE
 If different than above, see Notes.

Tracer

n-pentane
 n-hexane
 n-heptane
 Isopropyl Alcohol
 1,1-DFA

Analysis Requested

Sample Matrix:	Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	Gasoline Range Organics	Magnehelic Vacuum (In/H₂O)	Number of Containers
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Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix:	Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	Gasoline Range Organics	Magnehelic Vacuum (In/H ₂ O)	Number of Containers	Notes & Special Instructions
LB12-5	3	1630	3/1/19	10:45	10:47	F-0239-11	~200	ANGELA.1	M100.151					<2	1	
LB10-5	3	1630	3/1/19	11:07	11:09	F-0239-12	~200	ANGELA.1	M100.151					<2	1	
LB10-10	3	1710	3/1/19	11:45	11:48	F-0239-13	~200	ANGELA.1	M100.151					80	1	LOW FLOW, 100cc
LB11-5	3	1630	3/1/19	11:31	11:33	F-0239-14	~200	STEVE.1	NEW.1					<2	1	
LB14-5	3	1630	3/1/19	13:02	13:05	F-0239-15	~200	ANGELA.1	M100.151					<2	1	
LB15-5	3	1630	3/1/19	12:42	12:44	F-0239-16	~200	ANGELA.1	M100.151					<2	1	

Representative Signature <i>[Signature]</i>	Printed Name Sabrina Gonzalez	Laboratory Signature <i>[Signature]</i>	Printed Name Jackson Nestor	6	Total Number of Containers
Company Leighton	Date 1/0/1900	Time 0:00	Company JONES ENVIRONMENTAL, INC.	Date 3/1/2019	Time 14:10
Representative Signature	Printed Name	Laboratory Signature	Printed Name	Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.	
Company	Date	Time	Company	Date	Time



March 06, 2019

Robert Lovdahl
Leighton & Associates
17781 Cowan Street
Irvine, CA 92614
Tel: (949) 250-1421
Fax:(949) 757-7230

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1900796
Client Reference : 26126 VICTORIA BLVD, 11183.001

Enclosed are the results for sample(s) received on February 27, 2019 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez", is written over a light gray rectangular background.

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DRUM-1	1900796-01	Soil	2/27/19 12:30	2/27/19 14:30

DETECTION SUMMARY

Client Sample ID DRUM-1

Lab ID: 1900796-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Barium	61	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Chromium	9.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Cobalt	3.9	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Copper	5.6	2.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Lead	1.5	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Nickel	7.7	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Vanadium	17	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Zinc	25	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

Client Sample ID DRUM-1

Lab ID: 1900796-01

Title 22 Metals by ICP-AES EPA 6010B

Analyst: GO

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Arsenic	1.2	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Barium	61	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Beryllium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Cadmium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Chromium	9.0	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Cobalt	3.9	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Copper	5.6	2.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Lead	1.5	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Molybdenum	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Nickel	7.7	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Selenium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Silver	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Thallium	ND	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Vanadium	17	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	
Zinc	25	1.0	1	B9C0017	03/04/2019	03/04/19 14:06	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: KEK

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	1	B9C0018	03/04/2019	03/04/19 13:33	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: JBL

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C5-C12	ND	1.0	1	B9B0646	02/28/2019	02/28/19 15:01	
Surrogate: 4-Bromofluorobenzene	107 %	45 - 149		B9B0646	02/28/2019	02/28/19 15:01	

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
C13-C22	ND	10	1	B9C0033	03/01/2019	03/02/19 04:09	
C23-C40	ND	10	1	B9C0033	03/01/2019	03/02/19 04:09	



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

Client Sample ID DRUM-1

Lab ID: 1900796-01

Hydrocarbon Chain Distribution by EPA 8015B (Modified)

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: p-Terphenyl	104 %	58 - 172		B9C0033	03/01/2019	03/02/19 04:09	

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,1,1-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,1,2,2-Tetrachloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,1,2-Trichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,1-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,1-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,1-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2,3-Trichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2,3-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2,4-Trichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2,4-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2-Dibromo-3-chloropropane	ND	10	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2-Dibromoethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2-Dichloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,3,5-Trimethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,3-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,3-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
1,4-Dichlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
2,2-Dichloropropane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
2-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
4-Chlorotoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
4-Isopropyltoluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Benzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Bromobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Bromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Bromodichloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Bromoform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Bromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Carbon disulfide	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	



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Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

Client Sample ID DRUM-1

Lab ID: 1900796-01

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Carbon tetrachloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Chlorobenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Chloroethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Chloroform	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Chloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
cis-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
cis-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Di-isopropyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Dibromochloromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Dibromomethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Dichlorodifluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Ethyl Acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 11:30	
Ethyl Ether	ND	50	1	B9B0639	02/28/2019	02/28/19 11:30	
Ethyl tert-butyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Ethylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Freon-113	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Hexachlorobutadiene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Isopropylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
m,p-Xylene	ND	10	1	B9B0639	02/28/2019	02/28/19 11:30	
Methylene chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
MTBE	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
n-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
n-Propylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Naphthalene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
o-Xylene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
sec-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Styrene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
tert-Amyl methyl ether	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
tert-Butanol	ND	100	1	B9B0639	02/28/2019	02/28/19 11:30	
tert-Butylbenzene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Tetrachloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Toluene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
trans-1,2-Dichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
trans-1,3-Dichloropropene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Trichloroethene	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Trichlorofluoromethane	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
Vinyl acetate	ND	50	1	B9B0639	02/28/2019	02/28/19 11:30	



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17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

Client Sample ID DRUM-1

Lab ID: 1900796-01

Volatile Organic Compounds by EPA 8260B

Analyst: VW

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl chloride	ND	5.0	1	B9B0639	02/28/2019	02/28/19 11:30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>81.4 %</i>	<i>60 - 145</i>		B9B0639	02/28/2019	<i>02/28/19 11:30</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.7 %</i>	<i>68 - 121</i>		B9B0639	02/28/2019	<i>02/28/19 11:30</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>99.1 %</i>	<i>65 - 137</i>		B9B0639	02/28/2019	<i>02/28/19 11:30</i>	
<i>Surrogate: Toluene-d8</i>	<i>94.8 %</i>	<i>82 - 119</i>		B9B0639	02/28/2019	<i>02/28/19 11:30</i>	



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Project Number : 26126 VICTORIA BLVD, 11183.001

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Reported : 03/06/2019

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0017 - EPA 3050B_S

Blank (B9C0017-BLK1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	ND	2.0	0.51
Arsenic	ND	1.0	0.12
Barium	ND	1.0	0.12
Beryllium	ND	1.0	0.03
Cadmium	ND	1.0	0.14
Chromium	ND	1.0	0.26
Cobalt	ND	1.0	0.07
Copper	ND	2.0	0.19
Lead	ND	1.0	0.18
Molybdenum	ND	1.0	0.12
Nickel	ND	1.0	0.18
Selenium	ND	1.0	0.40
Silver	ND	1.0	0.12
Thallium	ND	1.0	0.38
Vanadium	ND	1.0	0.06
Zinc	ND	1.0	0.15

LCS (B9C0017-BS1)

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	41.9190	2.0	0.51	50.0000	83.8	80 - 120
Arsenic	41.7384	1.0	0.12	50.0000	83.5	80 - 120
Barium	44.9689	1.0	0.12	50.0000	89.9	80 - 120
Beryllium	41.4669	1.0	0.03	50.0000	82.9	80 - 120
Cadmium	42.0209	1.0	0.14	50.0000	84.0	80 - 120
Chromium	44.5137	1.0	0.26	50.0000	89.0	80 - 120
Cobalt	44.3906	1.0	0.07	50.0000	88.8	80 - 120
Copper	45.1173	2.0	0.19	50.0000	90.2	80 - 120
Lead	41.8229	1.0	0.18	50.0000	83.6	80 - 120
Molybdenum	43.1418	1.0	0.12	50.0000	86.3	80 - 120
Nickel	43.6476	1.0	0.18	50.0000	87.3	80 - 120
Selenium	40.2804	1.0	0.40	50.0000	80.6	80 - 120
Silver	42.2263	1.0	0.12	50.0000	84.5	80 - 120
Thallium	44.3369	1.0	0.38	50.0000	88.7	80 - 120
Vanadium	45.3825	1.0	0.06	50.0000	90.8	80 - 120
Zinc	41.2277	1.0	0.15	50.0000	82.5	80 - 120

Matrix Spike (B9C0017-MS1)

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	70.5366	2.0	0.51	125.000	ND	56.4	21 - 102
Arsenic	91.5168	1.0	0.12	125.000	1.99513	71.6	49 - 96
Barium	145.117	1.0	0.12	125.000	48.4845	77.3	26 - 121
Beryllium	86.7650	1.0	0.03	125.000	ND	69.4	51 - 96



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Project Number : 26126 VICTORIA BLVD, 11183.001

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Reported : 03/06/2019

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0017 - EPA 3050B_S (continued)

Matrix Spike (B9C0017-MS1) - Continued

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Cadmium	83.3954	1.0	0.14	125.000	0.352928	66.4	46 - 93
Chromium	108.701	1.0	0.26	125.000	11.2064	78.0	44 - 107
Cobalt	97.7330	1.0	0.07	125.000	5.85258	73.5	49 - 100
Copper	144.094	2.0	0.19	125.000	34.9472	87.3	46 - 115
Lead	108.703	1.0	0.18	125.000	31.4936	61.8	29 - 126
Molybdenum	90.4132	1.0	0.12	125.000	ND	72.3	48 - 99
Nickel	106.656	1.0	0.18	125.000	14.4360	73.8	37 - 108
Selenium	85.6522	1.0	0.40	125.000	0.538734	68.1	48 - 95
Silver	97.2394	1.0	0.12	125.000	ND	77.8	53 - 99
Thallium	76.4176	1.0	0.38	125.000	ND	61.1	38 - 93
Vanadium	128.471	1.0	0.06	125.000	29.8366	78.9	48 - 104
Zinc	148.079	1.0	0.15	125.000	63.2087	67.9	24 - 111

Matrix Spike Dup (B9C0017-MSD1)

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Antimony	49.8538	2.0	0.51	124.378	ND	40.1	21 - 102	34.4	20	R
Arsenic	69.8276	1.0	0.12	124.378	1.99513	54.5	49 - 96	26.9	20	R
Barium	128.151	1.0	0.12	124.378	48.4845	64.1	26 - 121	12.4	20	
Beryllium	66.3822	1.0	0.03	124.378	ND	53.4	51 - 96	26.6	20	R
Cadmium	64.1718	1.0	0.14	124.378	0.352928	51.3	46 - 93	26.1	20	R
Chromium	83.8483	1.0	0.26	124.378	11.2064	58.4	44 - 107	25.8	20	R
Cobalt	75.8700	1.0	0.07	124.378	5.85258	56.3	49 - 100	25.2	20	R
Copper	114.137	2.0	0.19	124.378	34.9472	63.7	46 - 115	23.2	20	R
Lead	86.2050	1.0	0.18	124.378	31.4936	44.0	29 - 126	23.1	20	R
Molybdenum	67.2846	1.0	0.12	124.378	ND	54.1	48 - 99	29.3	20	R
Nickel	80.7089	1.0	0.18	124.378	14.4360	53.3	37 - 108	27.7	20	R
Selenium	65.9646	1.0	0.40	124.378	0.538734	52.6	48 - 95	26.0	20	R
Silver	72.7486	1.0	0.12	124.378	ND	58.5	53 - 99	28.8	20	R
Thallium	57.5131	1.0	0.38	124.378	ND	46.2	38 - 93	28.2	20	R
Vanadium	103.739	1.0	0.06	124.378	29.8366	59.4	48 - 104	21.3	20	R
Zinc	137.743	1.0	0.15	124.378	63.2087	59.9	24 - 111	7.23	20	



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Irvine , CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001
Report To : Robert Lovdahl
Reported : 03/06/2019

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9C0018 - EPA 7471_S

Post Spike (B9C0018-PS1)

Source: 1900788-02

Prepared: 3/4/2019 Analyzed: 3/4/2019

Mercury	0.007111		5.00000E-3	0.000925	124	85 - 115			M1
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Project Number : 26126 VICTORIA BLVD, 11183.001
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Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0646 - GCVOA_S

Blank (B9B0646-BLK1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

C5-C12	ND	1.0	0.20						
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Surrogate: 4-Bromofluorobenzene 0.2014 0.200000 101 45 - 149

LCS (B9B0646-BS1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	4.65000	1.0	0.20	5.00000		93.0	70 - 130		
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Surrogate: 4-Bromofluorobenzene 0.2049 0.200000 102 45 - 149

Matrix Spike (B9B0646-MS1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	3.56600	1.0	0.20	5.00000	ND	71.3	24 - 129		
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Surrogate: 4-Bromofluorobenzene 0.2034 0.200000 102 45 - 149

Matrix Spike Dup (B9B0646-MSD1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Gasoline Range Organics	3.82100	1.0	0.20	5.00000	ND	76.4	24 - 129	6.90	20
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Surrogate: 4-Bromofluorobenzene 0.2132 0.200000 107 45 - 149



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Project Number : 26126 VICTORIA BLVD, 11183.001
 Report To : Robert Lovdahl
 Reported : 03/06/2019

Hydrocarbon Chain Distribution by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9C0033 - GCSEMI_DRO_S

Blank (B9C0033-BLK1)

Prepared: 3/1/2019 Analyzed: 3/2/2019

C13-C22	ND	10	10						
C23-C40	ND	10	10						
<i>Surrogate: p-Terphenyl</i>	<i>81.08</i>			<i>80.0000</i>		<i>101</i>	<i>58 - 172</i>		

LCS (B9C0033-BS1)

Prepared: 3/1/2019 Analyzed: 3/2/2019

DRO	1053.69	10	10	1000.00		105	71 - 165		
<i>Surrogate: p-Terphenyl</i>	<i>82.61</i>			<i>80.0000</i>		<i>103</i>	<i>58 - 172</i>		

Matrix Spike (B9C0033-MS1)

Source: 1900794-01

Prepared: 3/1/2019 Analyzed: 3/2/2019

DRO	1073.65	10	10	1000.00	ND	107	61 - 171		
<i>Surrogate: p-Terphenyl</i>	<i>75.64</i>			<i>80.0000</i>		<i>94.6</i>	<i>58 - 172</i>		

Matrix Spike Dup (B9C0033-MSD1)

Source: 1900794-01

Prepared: 3/1/2019 Analyzed: 3/2/2019

DRO	1093.29	10	10	1000.00	ND	109	61 - 171	1.81	20
<i>Surrogate: p-Terphenyl</i>	<i>77.69</i>			<i>80.0000</i>		<i>97.1</i>	<i>58 - 172</i>		



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Reported : 03/06/2019

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S

Blank (B9B0639-BLK1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	ND	5.0	0.96
1,1,1-Trichloroethane	ND	5.0	1.1
1,1,2,2-Tetrachloroethane	ND	5.0	0.62
1,1,2-Trichloroethane	ND	5.0	1.6
1,1-Dichloroethane	ND	5.0	0.81
1,1-Dichloroethene	ND	5.0	2.6
1,1-Dichloropropene	ND	5.0	2.3
1,2,3-Trichloropropane	ND	5.0	0.54
1,2,3-Trichlorobenzene	ND	5.0	1.2
1,2,4-Trichlorobenzene	ND	5.0	1.1
1,2,4-Trimethylbenzene	ND	5.0	1.5
1,2-Dibromo-3-chloropropane	ND	10	1.6
1,2-Dibromoethane	ND	5.0	3.2
1,2-Dichlorobenzene	ND	5.0	1.1
1,2-Dichloroethane	ND	5.0	1.2
1,2-Dichloropropane	ND	5.0	1.8
1,3,5-Trimethylbenzene	ND	5.0	1.7
1,3-Dichlorobenzene	ND	5.0	1.3
1,3-Dichloropropane	ND	5.0	1.1
1,4-Dichlorobenzene	ND	5.0	1.2
2,2-Dichloropropane	ND	5.0	1.2
2-Chlorotoluene	ND	5.0	1.6
4-Chlorotoluene	ND	5.0	1.5
4-Isopropyltoluene	ND	5.0	2.3
Benzene	ND	5.0	0.64
Bromobenzene	ND	5.0	1.1
Bromochloromethane	ND	5.0	0.64
Bromodichloromethane	ND	5.0	1.2
Bromoform	ND	5.0	0.80
Bromomethane	ND	5.0	2.5
Carbon disulfide	ND	5.0	3.5
Carbon tetrachloride	ND	5.0	1.2
Chlorobenzene	ND	5.0	1.0
Chloroethane	ND	5.0	1.1
Chloroform	ND	5.0	0.82
Chloromethane	ND	5.0	1.4
cis-1,2-Dichloroethene	ND	5.0	0.67
cis-1,3-Dichloropropene	ND	5.0	1.9
Di-isopropyl ether	ND	5.0	0.55
Dibromochloromethane	ND	5.0	1.0
Dibromomethane	ND	5.0	1.6



Certificate of Analysis

Leighton & Associates
 17781 Cowan Street
 Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Blank (B9B0639-BLK1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

Dichlorodifluoromethane	ND	5.0	2.2
Ethyl Acetate	ND	50	8.1
Ethyl Ether	ND	50	6.1
Ethyl tert-butyl ether	ND	5.0	0.67
Ethylbenzene	ND	5.0	0.91
Freon-113	ND	5.0	2.8
Hexachlorobutadiene	ND	5.0	2.5
Isopropylbenzene	ND	5.0	1.8
m,p-Xylene	ND	10	1.5
Methylene chloride	ND	5.0	2.3
MTBE	ND	5.0	0.63
n-Butylbenzene	ND	5.0	2.4
n-Propylbenzene	ND	5.0	2.2
Naphthalene	ND	5.0	0.97
o-Xylene	ND	5.0	0.87
sec-Butylbenzene	ND	5.0	2.3
Styrene	ND	5.0	1.5
tert-Amyl methyl ether	ND	5.0	0.59
tert-Butanol	ND	100	19
tert-Butylbenzene	ND	5.0	2.0
Tetrachloroethene	ND	5.0	1.6
Toluene	ND	5.0	0.94
trans-1,2-Dichloroethene	ND	5.0	0.59
trans-1,3-Dichloropropene	ND	5.0	2.1
Trichloroethene	ND	5.0	3.1
Trichlorofluoromethane	ND	5.0	1.4
Vinyl acetate	ND	50	9.8
Vinyl chloride	ND	5.0	1.7

<i>Surrogate: 1,2-Dichloroethane-d4</i>	38.62		50.0000	77.2	60 - 145
<i>Surrogate: 4-Bromofluorobenzene</i>	43.54		50.0000	87.1	68 - 121
<i>Surrogate: Dibromofluoromethane</i>	47.40		50.0000	94.8	65 - 137
<i>Surrogate: Toluene-d8</i>	46.40		50.0000	92.8	82 - 119

LCS (B9B0639-BS1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	46.5000	5.0	0.96	50.0000	93.0	82 - 114
1,1,1-Trichloroethane	39.1100	5.0	1.1	50.0000	78.2	70 - 121
1,1,2,2-Tetrachloroethane	42.1800	5.0	0.62	50.0000	84.4	65 - 116
1,1,2-Trichloroethane	44.1300	5.0	1.6	50.0000	88.3	73 - 114
1,1-Dichloroethane	39.1900	5.0	0.81	50.0000	78.4	69 - 117
1,1-Dichloroethene	41.4700	5.0	2.6	50.0000	82.9	57 - 128
1,1-Dichloropropene	44.4400	5.0	2.3	50.0000	88.9	76 - 122



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS (B9B0639-BS1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,2,3-Trichloropropane	41.6000	5.0	0.54	50.0000		83.2	65 - 116			
1,2,3-Trichlorobenzene	48.4400	5.0	1.2	50.0000		96.9	72 - 130			
1,2,4-Trichlorobenzene	47.6200	5.0	1.1	50.0000		95.2	74 - 141			
1,2,4-Trimethylbenzene	41.5300	5.0	1.5	50.0000		83.1	81 - 126			
1,2-Dibromo-3-chloropropane	44.9700	10	1.6	50.0000		89.9	63 - 126			
1,2-Dibromoethane	44.0100	5.0	3.2	50.0000		88.0	75 - 113			
1,2-Dichlorobenzene	47.3900	5.0	1.1	50.0000		94.8	83 - 114			
1,2-Dichloroethane	39.6200	5.0	1.2	50.0000		79.2	73 - 115			
1,2-Dichloropropane	40.4800	5.0	1.8	50.0000		81.0	75 - 117			
1,3,5-Trimethylbenzene	41.5600	5.0	1.7	50.0000		83.1	80 - 126			
1,3-Dichlorobenzene	45.8200	5.0	1.3	50.0000		91.6	83 - 113			
1,3-Dichloropropane	43.9000	5.0	1.1	50.0000		87.8	79 - 108			
1,4-Dichlorobenzene	45.7800	5.0	1.2	50.0000		91.6	82 - 114			
2,2-Dichloropropane	43.0900	5.0	1.2	50.0000		86.2	66 - 135			
2-Chlorotoluene	41.4300	5.0	1.6	50.0000		82.9	79 - 117			
4-Chlorotoluene	41.2100	5.0	1.5	50.0000		82.4	77 - 118			
4-Isopropyltoluene	42.8700	5.0	2.3	50.0000		85.7	81 - 129			
Benzene	82.8300	5.0	0.64	100.000		82.8	78 - 112			
Bromobenzene	44.5200	5.0	1.1	50.0000		89.0	79 - 111			
Bromochloromethane	43.8400	5.0	0.64	50.0000		87.7	69 - 116			
Bromodichloromethane	40.4200	5.0	1.2	50.0000		80.8	79 - 111			
Bromoform	49.4900	5.0	0.80	50.0000		99.0	75 - 119			
Bromomethane	44.3200	5.0	2.5	50.0000		88.6	31 - 168			
Carbon disulfide	39.0100	5.0	3.5	50.0000		78.0	54 - 141			
Carbon tetrachloride	41.7200	5.0	1.2	50.0000		83.4	74 - 125			
Chlorobenzene	46.3800	5.0	1.0	50.0000		92.8	83 - 112			
Chloroethane	38.0600	5.0	1.1	50.0000		76.1	53 - 144			
Chloroform	39.9500	5.0	0.82	50.0000		79.9	69 - 118			
Chloromethane	38.2100	5.0	1.4	50.0000		76.4	46 - 137			
cis-1,2-Dichloroethene	41.7100	5.0	0.67	50.0000		83.4	68 - 118			
cis-1,3-Dichloropropene	45.8400	5.0	1.9	50.0000		91.7	77 - 121			
Di-isopropyl ether	38.7200	5.0	0.55	50.0000		77.4	60 - 129			
Dibromochloromethane	46.6000	5.0	1.0	50.0000		93.2	80 - 111			
Dibromomethane	43.0100	5.0	1.6	50.0000		86.0	78 - 108			
Dichlorodifluoromethane	47.9200	5.0	2.2	50.0000		95.8	41 - 146			
Ethyl Acetate	393.610	50	8.1	500.000		78.7	52 - 130			
Ethyl Ether	413.920	50	6.1	500.000		82.8	54 - 138			
Ethyl tert-butyl ether	33.8100	5.0	0.67	50.0000		67.6	52 - 141			
Ethylbenzene	86.4700	5.0	0.91	100.000		86.5	82 - 121			
Freon-113	42.1500	5.0	2.8	50.0000		84.3	59 - 139			
Hexachlorobutadiene	45.4800	5.0	2.5	50.0000		91.0	69 - 143			
Isopropylbenzene	44.9600	5.0	1.8	50.0000		89.9	78 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS (B9B0639-BS1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

m,p-Xylene	91.1700	10	1.5	100.000		91.2	85 - 118		
Methylene chloride	31.7400	5.0	2.3	50.0000		63.5	44 - 146		
MTBE	36.6800	5.0	0.63	50.0000		73.4	61 - 122		
n-Butylbenzene	41.5000	5.0	2.4	50.0000		83.0	78 - 135		
n-Propylbenzene	40.8200	5.0	2.2	50.0000		81.6	78 - 127		
Naphthalene	44.4200	5.0	0.97	50.0000		88.8	68 - 129		
o-Xylene	89.9200	5.0	0.87	100.000		89.9	86 - 118		
sec-Butylbenzene	42.9700	5.0	2.3	50.0000		85.9	80 - 127		
Styrene	46.8700	5.0	1.5	50.0000		93.7	85 - 117		
tert-Amyl methyl ether	31.9300	5.0	0.59	50.0000		63.9	48 - 135		
tert-Butanol	193.880	100	19	250.000		77.6	0 - 175		
tert-Butylbenzene	42.7000	5.0	2.0	50.0000		85.4	81 - 122		
Tetrachloroethene	48.3900	5.0	1.6	50.0000		96.8	77 - 122		
Toluene	85.8500	5.0	0.94	100.000		85.8	79 - 114		
trans-1,2-Dichloroethene	39.9300	5.0	0.59	50.0000		79.9	66 - 125		
trans-1,3-Dichloropropene	43.6500	5.0	2.1	50.0000		87.3	76 - 120		
Trichloroethene	44.7200	5.0	3.1	50.0000		89.4	79 - 117		
Trichlorofluoromethane	37.3600	5.0	1.4	50.0000		74.7	55 - 133		
Vinyl acetate	341.740	50	9.8	500.000		68.3	52 - 141		
Vinyl chloride	38.7100	5.0	1.7	50.0000		77.4	58 - 132		

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>39.61</i>			<i>50.0000</i>		<i>79.2</i>	<i>60 - 145</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.60</i>			<i>50.0000</i>		<i>95.2</i>	<i>68 - 121</i>		
<i>Surrogate: Dibromofluoromethan</i>	<i>46.98</i>			<i>50.0000</i>		<i>94.0</i>	<i>65 - 137</i>		
<i>Surrogate: Toluene-d8</i>	<i>45.97</i>			<i>50.0000</i>		<i>91.9</i>	<i>82 - 119</i>		

LCS Dup (B9B0639-BSD1)

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	46.3100	5.0	0.96	50.0000		92.6	82 - 114	0.409	20
1,1,1-Trichloroethane	40.1500	5.0	1.1	50.0000		80.3	70 - 121	2.62	20
1,1,2,2-Tetrachloroethane	41.6000	5.0	0.62	50.0000		83.2	65 - 116	1.38	20
1,1,2-Trichloroethane	42.9500	5.0	1.6	50.0000		85.9	73 - 114	2.71	20
1,1-Dichloroethane	38.5200	5.0	0.81	50.0000		77.0	69 - 117	1.72	20
1,1-Dichloroethene	42.9200	5.0	2.6	50.0000		85.8	57 - 128	3.44	20
1,1-Dichloropropene	46.2900	5.0	2.3	50.0000		92.6	76 - 122	4.08	20
1,2,3-Trichloropropane	41.5400	5.0	0.54	50.0000		83.1	65 - 116	0.144	20
1,2,3-Trichlorobenzene	48.1600	5.0	1.2	50.0000		96.3	72 - 130	0.580	20
1,2,4-Trichlorobenzene	48.0500	5.0	1.1	50.0000		96.1	74 - 141	0.899	20
1,2,4-Trimethylbenzene	42.4200	5.0	1.5	50.0000		84.8	81 - 126	2.12	20
1,2-Dibromo-3-chloropropane	43.8800	10	1.6	50.0000		87.8	63 - 126	2.45	20
1,2-Dibromoethane	42.8200	5.0	3.2	50.0000		85.6	75 - 113	2.74	20
1,2-Dichlorobenzene	46.6300	5.0	1.1	50.0000		93.3	83 - 114	1.62	20
1,2-Dichloroethane	39.4700	5.0	1.2	50.0000		78.9	73 - 115	0.379	20



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS Dup (B9B0639-BSD1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,2-Dichloropropane	40.1600	5.0	1.8	50.0000		80.3	75 - 117	0.794	20	
1,3,5-Trimethylbenzene	43.2300	5.0	1.7	50.0000		86.5	80 - 126	3.94	20	
1,3-Dichlorobenzene	46.1900	5.0	1.3	50.0000		92.4	83 - 113	0.804	20	
1,3-Dichloropropane	42.3800	5.0	1.1	50.0000		84.8	79 - 108	3.52	20	
1,4-Dichlorobenzene	45.7600	5.0	1.2	50.0000		91.5	82 - 114	0.0437	20	
2,2-Dichloropropane	43.8600	5.0	1.2	50.0000		87.7	66 - 135	1.77	20	
2-Chlorotoluene	42.4900	5.0	1.6	50.0000		85.0	79 - 117	2.53	20	
4-Chlorotoluene	41.6500	5.0	1.5	50.0000		83.3	77 - 118	1.06	20	
4-Isopropyltoluene	45.3000	5.0	2.3	50.0000		90.6	81 - 129	5.51	20	
Benzene	83.5400	5.0	0.64	100.000		83.5	78 - 112	0.854	20	
Bromobenzene	45.5600	5.0	1.1	50.0000		91.1	79 - 111	2.31	20	
Bromochloromethane	42.1200	5.0	0.64	50.0000		84.2	69 - 116	4.00	20	
Bromodichloromethane	40.5600	5.0	1.2	50.0000		81.1	79 - 111	0.346	20	
Bromoform	47.4700	5.0	0.80	50.0000		94.9	75 - 119	4.17	20	
Bromomethane	44.7000	5.0	2.5	50.0000		89.4	31 - 168	0.854	20	
Carbon disulfide	39.4800	5.0	3.5	50.0000		79.0	54 - 141	1.20	20	
Carbon tetrachloride	43.9300	5.0	1.2	50.0000		87.9	74 - 125	5.16	20	
Chlorobenzene	46.1600	5.0	1.0	50.0000		92.3	83 - 112	0.475	20	
Chloroethane	39.5100	5.0	1.1	50.0000		79.0	53 - 144	3.74	20	
Chloroform	39.5900	5.0	0.82	50.0000		79.2	69 - 118	0.905	20	
Chloromethane	37.7900	5.0	1.4	50.0000		75.6	46 - 137	1.11	20	
cis-1,2-Dichloroethene	41.0500	5.0	0.67	50.0000		82.1	68 - 118	1.59	20	
cis-1,3-Dichloropropene	45.0100	5.0	1.9	50.0000		90.0	77 - 121	1.83	20	
Di-isopropyl ether	37.4700	5.0	0.55	50.0000		74.9	60 - 129	3.28	20	
Dibromochloromethane	45.5000	5.0	1.0	50.0000		91.0	80 - 111	2.39	20	
Dibromomethane	41.9700	5.0	1.6	50.0000		83.9	78 - 108	2.45	20	
Dichlorodifluoromethane	50.7200	5.0	2.2	50.0000		101	41 - 146	5.68	20	
Ethyl Acetate	367.900	50	8.1	500.000		73.6	52 - 130	6.75	20	
Ethyl Ether	376.950	50	6.1	500.000		75.4	54 - 138	9.35	20	
Ethyl tert-butyl ether	33.3700	5.0	0.67	50.0000		66.7	52 - 141	1.31	20	
Ethylbenzene	87.1600	5.0	0.91	100.000		87.2	82 - 121	0.795	20	
Freon-113	44.2000	5.0	2.8	50.0000		88.4	59 - 139	4.75	20	
Hexachlorobutadiene	49.2700	5.0	2.5	50.0000		98.5	69 - 143	8.00	20	
Isopropylbenzene	47.5800	5.0	1.8	50.0000		95.2	78 - 124	5.66	20	
m,p-Xylene	90.4800	10	1.5	100.000		90.5	85 - 118	0.760	20	
Methylene chloride	29.7300	5.0	2.3	50.0000		59.5	44 - 146	6.54	20	
MTBE	35.2400	5.0	0.63	50.0000		70.5	61 - 122	4.00	20	
n-Butylbenzene	44.3900	5.0	2.4	50.0000		88.8	78 - 135	6.73	20	
n-Propylbenzene	43.3500	5.0	2.2	50.0000		86.7	78 - 127	6.01	20	
Naphthalene	42.6300	5.0	0.97	50.0000		85.3	68 - 129	4.11	20	
o-Xylene	87.5800	5.0	0.87	100.000		87.6	86 - 118	2.64	20	
sec-Butylbenzene	45.8300	5.0	2.3	50.0000		91.7	80 - 127	6.44	20	



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Reported : 03/06/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

LCS Dup (B9B0639-BSD1) - Continued

Prepared: 2/28/2019 Analyzed: 2/28/2019

Styrene	45.2300	5.0	1.5	50.0000		90.5	85 - 117	3.56	20	
tert-Amyl methyl ether	31.4600	5.0	0.59	50.0000		62.9	48 - 135	1.48	20	
tert-Butanol	124.270	100	19	250.000		49.7	0 - 175	43.8	20	R
tert-Butylbenzene	45.3100	5.0	2.0	50.0000		90.6	81 - 122	5.93	20	
Tetrachloroethene	50.5500	5.0	1.6	50.0000		101	77 - 122	4.37	20	
Toluene	86.2200	5.0	0.94	100.000		86.2	79 - 114	0.430	20	
trans-1,2-Dichloroethene	38.9000	5.0	0.59	50.0000		77.8	66 - 125	2.61	20	
trans-1,3-Dichloropropene	42.5300	5.0	2.1	50.0000		85.1	76 - 120	2.60	20	
Trichloroethene	46.4500	5.0	3.1	50.0000		92.9	79 - 117	3.80	20	
Trichlorofluoromethane	40.3900	5.0	1.4	50.0000		80.8	55 - 133	7.79	20	
Vinyl acetate	331.700	50	9.8	500.000		66.3	52 - 141	2.98	20	
Vinyl chloride	39.9700	5.0	1.7	50.0000		79.9	58 - 132	3.20	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>38.60</i>			<i>50.0000</i>		<i>77.2</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>46.06</i>			<i>50.0000</i>		<i>92.1</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>46.89</i>			<i>50.0000</i>		<i>93.8</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.36</i>			<i>50.0000</i>		<i>94.7</i>	<i>82 - 119</i>			

Matrix Spike (B9B0639-MS1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	42.3700	5.0	0.96	50.0000	ND	84.7	45 - 121			
1,1,1-Trichloroethane	40.7600	5.0	1.1	50.0000	ND	81.5	43 - 127			
1,1,2,2-Tetrachloroethane	40.4500	5.0	0.62	50.0000	ND	80.9	32 - 128			
1,1,2-Trichloroethane	41.0000	5.0	1.6	50.0000	ND	82.0	45 - 121			
1,1-Dichloroethane	37.8000	5.0	0.81	50.0000	ND	75.6	46 - 119			
1,1-Dichloroethene	45.4100	5.0	2.6	50.0000	ND	90.8	40 - 130			
1,1-Dichloropropene	45.9000	5.0	2.3	50.0000	ND	91.8	45 - 130			
1,2,3-Trichloropropane	40.1100	5.0	0.54	50.0000	ND	80.2	42 - 124			
1,2,3-Trichlorobenzene	33.8600	5.0	1.2	50.0000	ND	67.7	4 - 135			
1,2,4-Trichlorobenzene	34.5500	5.0	1.1	50.0000	ND	69.1	8 - 141			
1,2,4-Trimethylbenzene	37.5400	5.0	1.5	50.0000	ND	75.1	30 - 136			
1,2-Dibromo-3-chloropropane	44.3700	10	1.6	50.0000	ND	88.7	38 - 132			
1,2-Dibromoethane	41.0600	5.0	3.2	50.0000	ND	82.1	45 - 121			
1,2-Dichlorobenzene	39.8800	5.0	1.1	50.0000	ND	79.8	30 - 125			
1,2-Dichloroethane	36.2800	5.0	1.2	50.0000	ND	72.6	51 - 115			
1,2-Dichloropropane	37.5400	5.0	1.8	50.0000	ND	75.1	50 - 118			
1,3,5-Trimethylbenzene	38.4700	5.0	1.7	50.0000	ND	76.9	29 - 137			
1,3-Dichlorobenzene	39.1300	5.0	1.3	50.0000	ND	78.3	30 - 124			
1,3-Dichloropropane	40.5400	5.0	1.1	50.0000	ND	81.1	49 - 116			
1,4-Dichlorobenzene	38.8700	5.0	1.2	50.0000	ND	77.7	31 - 124			
2,2-Dichloropropane	45.1600	5.0	1.2	50.0000	ND	90.3	41 - 134			
2-Chlorotoluene	37.6100	5.0	1.6	50.0000	ND	75.2	32 - 127			
4-Chlorotoluene	37.1500	5.0	1.5	50.0000	ND	74.3	34 - 124			



Certificate of Analysis

Leighton & Associates
17781 Cowan Street
Irvine, CA 92614

Project Number : 26126 VICTORIA BLVD, 11183.001

Report To : Robert Lovdahl

Reported : 03/06/2019

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike (B9B0639-MS1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

4-Isopropyltoluene	38.6800	5.0	2.3	50.0000	ND	77.4	26 - 141			
Benzene	79.1000	5.0	0.64	100.000	ND	79.1	48 - 117			
Bromobenzene	39.6100	5.0	1.1	50.0000	ND	79.2	40 - 117			
Bromochloromethane	40.8400	5.0	0.64	50.0000	ND	81.7	48 - 117			
Bromodichloromethane	37.4500	5.0	1.2	50.0000	ND	74.9	49 - 115			
Bromoform	46.0300	5.0	0.80	50.0000	ND	92.1	42 - 127			
Bromomethane	42.3100	5.0	2.5	50.0000	ND	84.6	19 - 157			
Carbon disulfide	40.8700	5.0	3.5	50.0000	ND	81.7	34 - 138			
Carbon tetrachloride	42.8400	5.0	1.2	50.0000	ND	85.7	43 - 130			
Chlorobenzene	41.8900	5.0	1.0	50.0000	ND	83.8	41 - 122			
Chloroethane	35.6100	5.0	1.1	50.0000	ND	71.2	32 - 145			
Chloroform	38.6500	5.0	0.82	50.0000	ND	77.3	46 - 118			
Chloromethane	38.2700	5.0	1.4	50.0000	ND	76.5	34 - 132			
cis-1,2-Dichloroethene	41.0000	5.0	0.67	50.0000	ND	82.0	44 - 119			
cis-1,3-Dichloropropene	42.3600	5.0	1.9	50.0000	ND	84.7	44 - 126			
Di-isopropyl ether	36.8800	5.0	0.55	50.0000	ND	73.8	42 - 126			
Dibromochloromethane	42.8100	5.0	1.0	50.0000	ND	85.6	46 - 119			
Dibromomethane	39.8200	5.0	1.6	50.0000	ND	79.6	52 - 114			
Dichlorodifluoromethane	51.8300	5.0	2.2	50.0000	ND	104	22 - 147			
Ethyl Acetate	388.570	50	8.1	500.000	ND	77.7	9 - 140			
Ethyl Ether	412.880	50	6.1	500.000	ND	82.6	45 - 131			
Ethyl tert-butyl ether	33.6300	5.0	0.67	50.0000	ND	67.3	33 - 138			
Ethylbenzene	82.6200	5.0	0.91	100.000	ND	82.6	38 - 131			
Freon-113	45.6300	5.0	2.8	50.0000	ND	91.3	38 - 140			
Hexachlorobutadiene	28.4000	5.0	2.5	50.0000	ND	56.8	4 - 141			
Isopropylbenzene	43.4600	5.0	1.8	50.0000	ND	86.9	35 - 133			
m,p-Xylene	85.3900	10	1.5	100.000	ND	85.4	38 - 130			
Methylene chloride	29.2100	5.0	2.3	50.0000	ND	58.4	26 - 137			
MTBE	35.2900	5.0	0.63	50.0000	ND	70.6	45 - 121			
n-Butylbenzene	35.1100	5.0	2.4	50.0000	ND	70.2	18 - 144			
n-Propylbenzene	38.9000	5.0	2.2	50.0000	ND	77.8	30 - 137			
Naphthalene	36.6000	5.0	0.97	50.0000	ND	73.2	14 - 137			
o-Xylene	83.0400	5.0	0.87	100.000	ND	83.0	41 - 129			
sec-Butylbenzene	39.1000	5.0	2.3	50.0000	ND	78.2	24 - 140			
Styrene	41.0400	5.0	1.5	50.0000	ND	82.1	41 - 125			
tert-Amyl methyl ether	31.5400	5.0	0.59	50.0000	ND	63.1	31 - 133			
tert-Butanol	284.870	100	19	250.000	ND	114	0 - 201			
tert-Butylbenzene	40.0200	5.0	2.0	50.0000	ND	80.0	30 - 134			
Tetrachloroethene	47.6600	5.0	1.6	50.0000	ND	95.3	37 - 130			
Toluene	82.3900	5.0	0.94	100.000	ND	82.4	45 - 122			
trans-1,2-Dichloroethene	40.3100	5.0	0.59	50.0000	ND	80.6	46 - 122			
trans-1,3-Dichloropropene	40.1700	5.0	2.1	50.0000	ND	80.3	44 - 124			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike (B9B0639-MS1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Trichloroethene	44.2600	5.0	3.1	50.0000	ND	88.5	36 - 142			
Trichlorofluoromethane	39.5900	5.0	1.4	50.0000	ND	79.2	37 - 135			
Vinyl acetate	318.070	50	9.8	500.000	ND	63.6	0 - 136			
Vinyl chloride	41.8400	5.0	1.7	50.0000	ND	83.7	42 - 131			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>41.91</i>			<i>50.0000</i>		<i>83.8</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.02</i>			<i>50.0000</i>		<i>96.0</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>49.58</i>			<i>50.0000</i>		<i>99.2</i>	<i>65 - 137</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.85</i>			<i>50.0000</i>		<i>93.7</i>	<i>82 - 119</i>			

Matrix Spike Dup (B9B0639-MSD1)

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

1,1,1,2-Tetrachloroethane	35.8600	5.0	0.96	50.0000	ND	71.7	45 - 121	16.6	20	
1,1,1-Trichloroethane	33.5300	5.0	1.1	50.0000	ND	67.1	43 - 127	19.5	20	
1,1,2,2-Tetrachloroethane	34.3400	5.0	0.62	50.0000	ND	68.7	32 - 128	16.3	20	
1,1,2-Trichloroethane	36.1700	5.0	1.6	50.0000	ND	72.3	45 - 121	12.5	20	
1,1-Dichloroethane	33.2300	5.0	0.81	50.0000	ND	66.5	46 - 119	12.9	20	
1,1-Dichloroethene	35.7600	5.0	2.6	50.0000	ND	71.5	40 - 130	23.8	20	R
1,1-Dichloropropene	37.4800	5.0	2.3	50.0000	ND	75.0	45 - 130	20.2	20	R
1,2,3-Trichloropropane	35.4200	5.0	0.54	50.0000	ND	70.8	42 - 124	12.4	20	
1,2,3-Trichlorobenzene	19.7700	5.0	1.2	50.0000	ND	39.5	4 - 135	52.5	20	R
1,2,4-Trichlorobenzene	21.1600	5.0	1.1	50.0000	ND	42.3	8 - 141	48.1	20	R
1,2,4-Trimethylbenzene	28.3200	5.0	1.5	50.0000	ND	56.6	30 - 136	28.0	20	R
1,2-Dibromo-3-chloropropane	34.4300	10	1.6	50.0000	ND	68.9	38 - 132	25.2	20	R
1,2-Dibromoethane	36.1600	5.0	3.2	50.0000	ND	72.3	45 - 121	12.7	20	
1,2-Dichlorobenzene	29.2000	5.0	1.1	50.0000	ND	58.4	30 - 125	30.9	20	R
1,2-Dichloroethane	33.5400	5.0	1.2	50.0000	ND	67.1	51 - 115	7.85	20	
1,2-Dichloropropane	33.2000	5.0	1.8	50.0000	ND	66.4	50 - 118	12.3	20	
1,3,5-Trimethylbenzene	28.7100	5.0	1.7	50.0000	ND	57.4	29 - 137	29.1	20	R
1,3-Dichlorobenzene	28.6900	5.0	1.3	50.0000	ND	57.4	30 - 124	30.8	20	R
1,3-Dichloropropane	36.3100	5.0	1.1	50.0000	ND	72.6	49 - 116	11.0	20	
1,4-Dichlorobenzene	28.7500	5.0	1.2	50.0000	ND	57.5	31 - 124	29.9	20	R
2,2-Dichloropropane	37.5900	5.0	1.2	50.0000	ND	75.2	41 - 134	18.3	20	
2-Chlorotoluene	28.9500	5.0	1.6	50.0000	ND	57.9	32 - 127	26.0	20	R
4-Chlorotoluene	28.2500	5.0	1.5	50.0000	ND	56.5	34 - 124	27.2	20	R
4-Isopropyltoluene	27.1600	5.0	2.3	50.0000	ND	54.3	26 - 141	35.0	20	R
Benzene	68.6100	5.0	0.64	100.000	ND	68.6	48 - 117	14.2	20	
Bromobenzene	32.0100	5.0	1.1	50.0000	ND	64.0	40 - 117	21.2	20	R
Bromochloromethane	36.8100	5.0	0.64	50.0000	ND	73.6	48 - 117	10.4	20	
Bromodichloromethane	33.2100	5.0	1.2	50.0000	ND	66.4	49 - 115	12.0	20	
Bromoform	38.3000	5.0	0.80	50.0000	ND	76.6	42 - 127	18.3	20	
Bromomethane	35.9200	5.0	2.5	50.0000	ND	71.8	19 - 157	16.3	20	
Carbon disulfide	31.7700	5.0	3.5	50.0000	ND	63.5	34 - 138	25.1	20	R



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike Dup (B9B0639-MSD1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Carbon tetrachloride	33.2500	5.0	1.2	50.0000	ND	66.5	43 - 130	25.2	20	R
Chlorobenzene	35.1000	5.0	1.0	50.0000	ND	70.2	41 - 122	17.6	20	
Chloroethane	31.3100	5.0	1.1	50.0000	ND	62.6	32 - 145	12.9	20	
Chloroform	33.4400	5.0	0.82	50.0000	ND	66.9	46 - 118	14.5	20	
Chloromethane	32.2000	5.0	1.4	50.0000	ND	64.4	34 - 132	17.2	20	
cis-1,2-Dichloroethene	34.9400	5.0	0.67	50.0000	ND	69.9	44 - 119	16.0	20	
cis-1,3-Dichloropropene	36.7400	5.0	1.9	50.0000	ND	73.5	44 - 126	14.2	20	
Di-isopropyl ether	33.0700	5.0	0.55	50.0000	ND	66.1	42 - 126	10.9	20	
Dibromochloromethane	36.9900	5.0	1.0	50.0000	ND	74.0	46 - 119	14.6	20	
Dibromomethane	36.0700	5.0	1.6	50.0000	ND	72.1	52 - 114	9.88	20	
Dichlorodifluoromethane	43.2500	5.0	2.2	50.0000	ND	86.5	22 - 147	18.0	20	
Ethyl Acetate	351.000	50	8.1	500.000	ND	70.2	9 - 140	10.2	20	
Ethyl Ether	330.420	50	6.1	500.000	ND	66.1	45 - 131	22.2	20	R
Ethyl tert-butyl ether	28.8000	5.0	0.67	50.0000	ND	57.6	33 - 138	15.5	20	
Ethylbenzene	66.1600	5.0	0.91	100.000	ND	66.2	38 - 131	22.1	20	R
Freon-113	34.7400	5.0	2.8	50.0000	ND	69.5	38 - 140	27.1	20	R
Hexachlorobutadiene	21.9100	5.0	2.5	50.0000	ND	43.8	4 - 141	25.8	20	R
Isopropylbenzene	33.1800	5.0	1.8	50.0000	ND	66.4	35 - 133	26.8	20	R
m,p-Xylene	67.8900	10	1.5	100.000	ND	67.9	38 - 130	22.8	20	R
Methylene chloride	31.3800	5.0	2.3	50.0000	ND	62.8	26 - 137	7.16	20	
MTBE	31.4600	5.0	0.63	50.0000	ND	62.9	45 - 121	11.5	20	
n-Butylbenzene	24.5400	5.0	2.4	50.0000	ND	49.1	18 - 144	35.4	20	R
n-Propylbenzene	28.9400	5.0	2.2	50.0000	ND	57.9	30 - 137	29.4	20	R
Naphthalene	24.5900	5.0	0.97	50.0000	ND	49.2	14 - 137	39.3	20	R
o-Xylene	67.1000	5.0	0.87	100.000	ND	67.1	41 - 129	21.2	20	R
sec-Butylbenzene	27.8500	5.0	2.3	50.0000	ND	55.7	24 - 140	33.6	20	R
Styrene	33.2400	5.0	1.5	50.0000	ND	66.5	41 - 125	21.0	20	R
tert-Amyl methyl ether	26.8600	5.0	0.59	50.0000	ND	53.7	31 - 133	16.0	20	
tert-Butanol	192.730	100	19	250.000	ND	77.1	0 - 201	38.6	20	R
tert-Butylbenzene	29.5800	5.0	2.0	50.0000	ND	59.2	30 - 134	30.0	20	R
Tetrachloroethene	37.4600	5.0	1.6	50.0000	ND	74.9	37 - 130	24.0	20	R
Toluene	69.4900	5.0	0.94	100.000	ND	69.5	45 - 122	17.0	20	
trans-1,2-Dichloroethene	34.5200	5.0	0.59	50.0000	ND	69.0	46 - 122	15.5	20	
trans-1,3-Dichloropropene	34.6700	5.0	2.1	50.0000	ND	69.3	44 - 124	14.7	20	
Trichloroethene	36.5300	5.0	3.1	50.0000	ND	73.1	36 - 142	19.1	20	
Trichlorofluoromethane	32.9800	5.0	1.4	50.0000	ND	66.0	37 - 135	18.2	20	
Vinyl acetate	290.770	50	9.8	500.000	ND	58.2	0 - 136	8.97	20	
Vinyl chloride	34.2300	5.0	1.7	50.0000	ND	68.5	42 - 131	20.0	20	R
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>41.98</i>			<i>50.0000</i>		<i>84.0</i>	<i>60 - 145</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>47.40</i>			<i>50.0000</i>		<i>94.8</i>	<i>68 - 121</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>49.23</i>			<i>50.0000</i>		<i>98.5</i>	<i>65 - 137</i>			



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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD RPD	RPD Limit	Notes
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Batch B9B0639 - MSVOA_S (continued)

Matrix Spike Dup (B9B0639-MSD1) - Continued

Source: 1900794-01

Prepared: 2/28/2019 Analyzed: 2/28/2019

Surrogate: Toluene-d8

46.42

50.0000

92.8

82 - 119



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Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
- (3) Results are wet unless otherwise specified.

